

## **Regency Bellerive & Berwick Zero Clearance Box and Flue Kit Part No 946-762 Assembly Instructions**



### **Kit Contents**

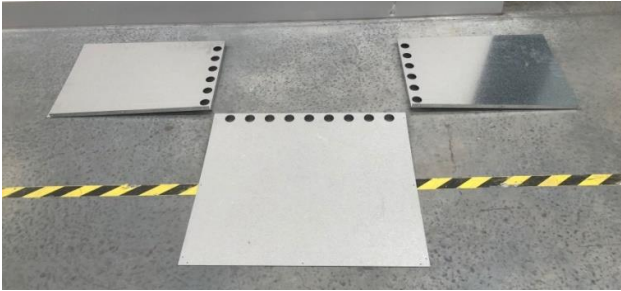
- 63 screws
- Base assembly
- LH Inner side panel
- RH Inner side panel
- Back Inner panel
- Top Inner panel
- LH Outer side panel
- RH Outer side panel
- Back Outer panel
- Top Outer panel
- Inner Flue locating plate
- Outer Flue locating plate

## Installation and assembly instructions

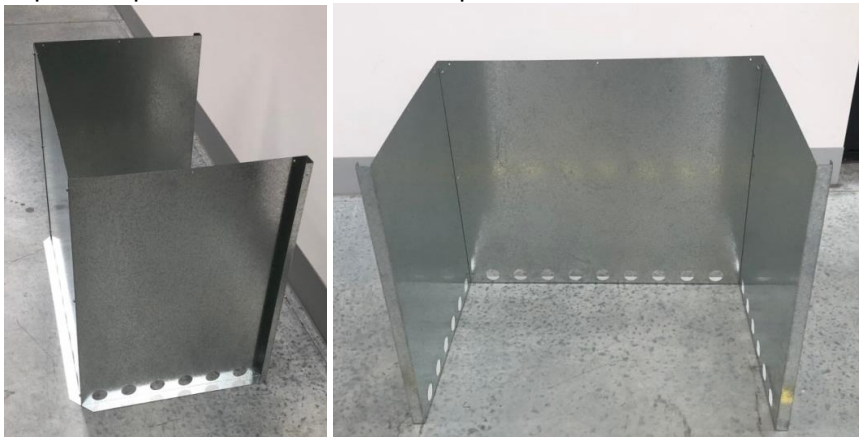
This zero clearance box is designed to be installed at floor level

### Inner panel assembly

1. Locate the 4 x inner panels (holes for inner panel are larger than the outer panels)



2. Fit inner right hand side panel to rear inner panel (ventilation holes to the bottom). Screw to rear panel from the outside.
3. Repeat step 2 with the left hand side panel.

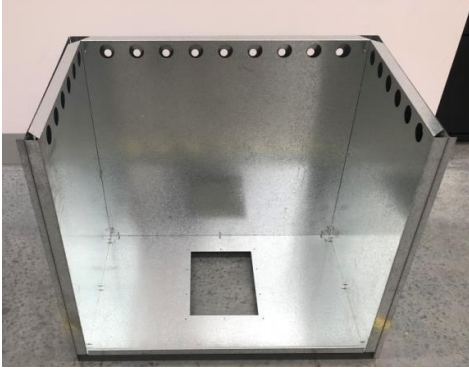


4. Fit inner top panel – panel fits outside rear & side panels with stiffener plate at the top & front - Screw from the outside



### Outer panel assembly

5. Fit outer right hand side panel - (ventilation holes to the bottom) panel fits between inner return (front) and base panel – Screw to base from outside.
6. Fit outer left hand side panel - (ventilation holes to the bottom) panel fits between inner return (front) and base panel – Screw to base from outside
7. Fit outer rear panel – sticker facing out (ventilation holes to the bottom) panel will slide inside returns (rear) on outer side panels – Screw to base and sides from outside



8. Fit outer top panel – panel fits on outside of outer side and rear panels – Screw from outside



9. Fit base plate facing up to outside of outer panels

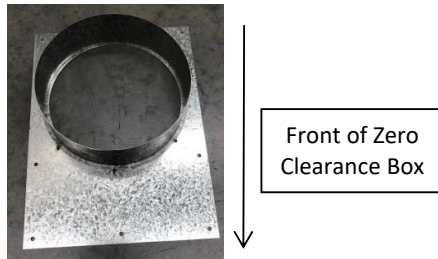


Flue locating plate pictured above is in the correct position for the Bellerive.

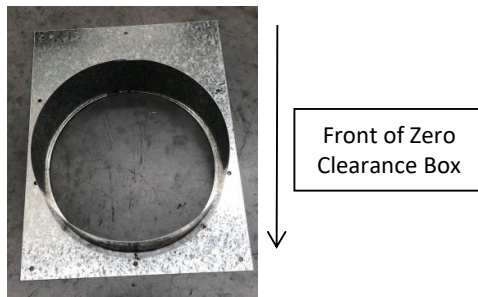
10. Fit inner flue locating plate to top panel – the inner plate is smaller than the outer.

**Important: Orientation of flue locator plate differs depending on the unit being installed. “Bellerive” flue outlet should be located at the rear most position and the “Berwick” at the foremost.**

**Bellerive** – ensure the locating plate is installed in the direction of the image below;



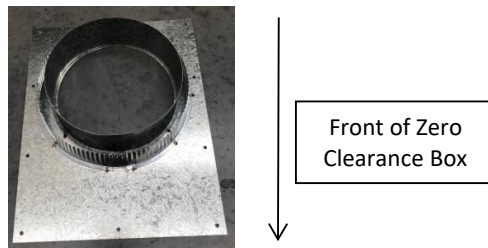
**Berwick**– ensure the locating plate is installed in the direction of the image below;



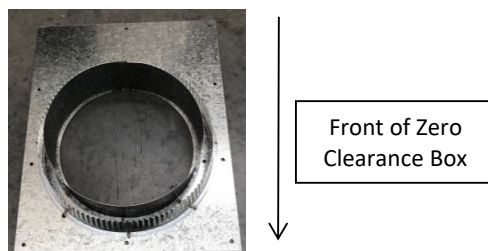
11. Repeat step above for outer locating plate – installing over the top of the inner locating plate.

**Important: Orientation of flue locator plate differs depending on the unit being installed.**

**Bellerive** –ensure the locating plate is installed in the direction of the image below;



**Berwick**–ensure the locating plate is installed in the direction of the image below;





Flue locating plate pictured above is in the correct position for the Bellerive.

**Prior to installing box ensure flue locating plate is correctly fitted – “Bellerive” flue outlet should be located at the rear most position and the “Berwick” at the foremost.**

### **Flue Assembly**

- Ensure first length of 8” and 10” flue fitted into flue locating plates is ventilated at the bottom (both pieces) and fitted with the “crimp up”



- Assemble the rest of the flue and install the ZC box according to the heater specific clearances as stated in the installation manual. Make sure the 10inch ventilated galvanized piece shown above is the top length that fits into the cowl.

## Framing Dimensions Summary

ZC Box	Berwick Framing	Bellerive Framing
840mm W	1040mm (100mm from each side to combustible materials)	1040mm (100mm from each side to combustible materials)
542mm D	642mm (i.e + 100mm from rear to combustible materials)	642mm (i.e + 100mm from rear to combustible materials)
743mm H	768mm (must be non-combustible)	768mm (must be non-combustible)

### Please Note

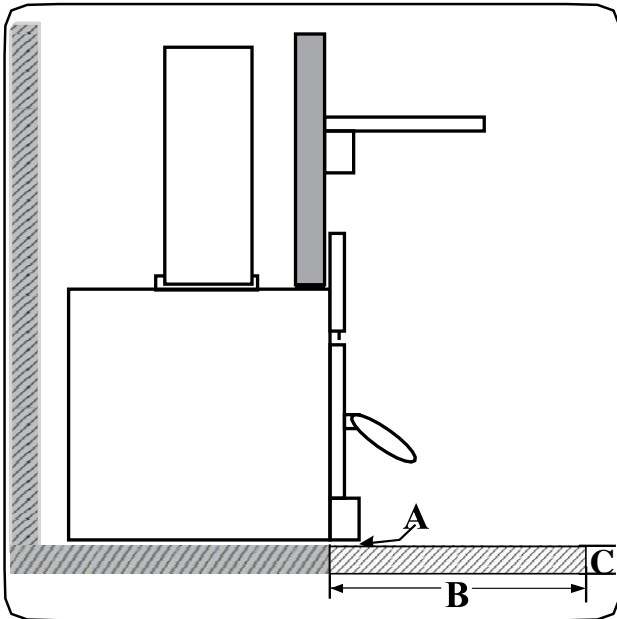
The zero clearance box is designed to be installed at floor level.

If the box is raised up from floor level, when wall cladding (e.g. Villa Board) is fitted around the box, a gap of 25mm will be exposed at the base of the unit under the fan housing.

This gap would normally be covered by the hearth when the unit is installed at floor level. Allowances will have to be made to cover this gap when cladding the wall if the unit is raised above floor level.

## Summary of Hearth Clearances / Depths

The hearth clearances stated below are based on the height the unit base is raised off the hearth.



Hearth Clearances			
Unit	A (Base of Unit Height above Hearth)	B (Hearth Depth)	C (Hearth Thickness)
<b>Bellerive</b>	0mm	400mm	110mm
	0mm	820mm	30mm
	100mm	630mm	30mm
	200mm	545mm	30mm
	300mm	490mm	30mm
	400mm	300mm	30mm
<b>Berwick</b>	0mm	350mm	110mm
	0mm	570mm	24mm
	100mm	460mm	24mm
	200mm	300mm	24mm

## **Thermal Clearance Testing of the I100B-2 Berwick Inbuilt Solid Fuel Appliance**

### **Summary Report**

The I100B-2 Berwick Inbuilt appliance with a triple skin flue kit was tested in a zero-clearance enclosure in a manner conforming to joint Australian/New Zealand Standard 2918:2001, Appendix B.

A minimum 640mm deep x 1040mm wide x 12mm thick floor protector (Bellis board or similar) should be used under the appliance, a minimum 875mm wide x 570mm deep x 24mm thick floor protector (Bellis board or similar) must be used in front of the appliance base when installing the appliance (see joint AS/NZS 2918:2001 3.3.2). The floor protector should extend 570mm in front of the fuel loading door and be placed centrally in the 875mm width. The Thermal conductivity of the floor protector is 0.08m<sup>2</sup>.K/W for 8mm thick sheets.

The I100B-2 Berwick Inbuilt solid fuel appliance installed with a triple skin flue kit conforms to the requirements of the joint AS/NZS 2918:2001 Standard, Appendix B.

### **Test Position**

The appliance must be built into an enclosure with the walls surrounding the fuel loading door (front wall) made from 13mm FYRCHEK plaster board or a minimum 9mm non-combustible material (Bellis board or similar). A 20mm gap must be maintained between the outer case of the zero clearance box and the Fyrchek plaster board, no gap is required when non-combustible material (Bellis board or similar) is used. The non-combustible material can be installed in direct contact with the rear surface of the appliance fascia. The side and rear walls, which can be made from combustible material shall be a minimum of 100mm from the side and rear of the appliance zero clearance box. All enclosure studs/framework on the front wall must be made from non-combustible material.

The top (ceiling) of the appliance enclosure must have a 100mm air gap between the flue outer casing and combustible material, this also applies when the flue casing penetrates above living spaces or attic. The roof (ceiling) of the enclosure shall be a minimum of 1800mm above the top of the floor protector.

## **Thermal Clearance Testing of the Regency I200B-1 Bellerive Inbuilt Solid Fuel Appliance**

### **Summary Report**

The I200B-1 Bellerive Inbuilt appliance with a triple skin flue kit was tested in a zero-clearance enclosure in a manner conforming to joint Australian/New Zealand Standard 2918:2001, Appendix B.

A minimum 580mm deep x 840mm wide x 12mm thick floor protector (Bellis board or similar) should be used under the appliance, a minimum 1020mm wide x 820mm deep x 30mm thick floor protector (Bellis board or similar) must be used in front of the appliance base when installing the appliance (see joint AS/NZS 2918:2001 3.3.2). The floor protector should extend 820mm in front of the fuel loading door and be placed centrally in the 1020mm width. The Thermal conductivity of the floor protector is 0.08m<sup>2</sup>.K/W for 8mm thick sheets.

The I200B-1 Bellerive Inbuilt solid fuel appliance installed with a triple skin flue kit conforms to the requirements of the joint AS/NZS 2918:2001 Standard, Appendix B.

### **Test Position**

The appliance must be built into an enclosure with the walls surrounding the fuel loading door (front wall) made from 13mm FYRCHEK plaster board or a minimum 9mm non-combustible material (Bellis board or similar). A 20mm gap must be maintained between the outer case of the zero clearance box and the Fyrchek plaster board, no gap is required if non-combustible material (Bellis board or similar) is used. The non-combustible material can be installed in direct contact with the rear surface of the appliance facia. The side and rear walls, which can be made from combustible material shall be a minimum of 100mm from the side and rear of the appliance zero clearance box. All enclosure studs/framework on the front wall must be made from non-combustible material.

The top (ceiling) of the appliance enclosure must have a 100mm air gap between the flue outer casing and combustible material, this also applies when the flue casing penetrates above living spaces or attic. The roof (ceiling) of the enclosure shall be a minimum of 1800mm above the top of the floor protector.