

Installation Instructions for Opti Kit on Sloping Ceiling/No Cavity with the 150mm Main Flue Kit

Important - It is responsibility of the Installer to ensure that the overall installation of the appliance along with flue kit is done in accordance with the AS/NZS 2918:2001 standard.

1. Locate heater in its proposed position and mark a point on the ceiling that is directly above the centre of the heater's flue outlet. Ensure that the manufacturer's minimum clearances to combustibles are complied with. Check that the heater's location allows the OUTER CASING to clear all structural roof timbers.
2. Cut a rectangular hole in ceiling/roof to accommodate passing of 300mm Opti Pipe. See table for sizes.

Slopping Angle-deg.	Rectangular size	Slopping Angle-deg.	Rectangular size
5	305x307	30	305x353
10	305x310	35	305x373
15	305x316	40	305x399
20	305x325	45	305x432
25	305x337		

3. Fit timber nogs around ceiling/roof holes for fixing the 300mm Opti Pipe Box. Use mounting brackets and screws supplied.
4. Clean the outside surface of the opti pipe box by using degreasing solution than paint it to the height exposed under the ceiling by using genuine STOVEBRIGHT aerosol paint.
5. Locate the 250-200mm Combination Casing into the slots of bracket which is at the bottom of Opti Pipe.
6. Slide 300mm Casing Cover to a fixing position so that 25 mm air gap is maintained between the top of the Opti Pipe and the Casing Cover.
7. Ensure that the correct roof penetration heights is calculated depending upon slop of the roof. Additional 1200mm Outer slip extension or additional 200-250mm combination casing extension may be required
8. Fix an appropriate flashing around 300mm Opti Pipe to seal onto the roofing material.
9. Assemble Flue Pipes together ensuring seams are off-set next to each other for neat fit. Secure each joint with 3 Stainless Steel rivets. 150 Flue Pipes must be assembled with crimped ends down (towards heater).
10. Choose the correct size Ceiling Plate along with insulation blanket, depending upon the angle of the sloping roof and place it over the heater flue spigot in assembling position.
11. Before fixing the Outer Casing Extension with 3 rivets or self-tapping screws, make sure that the 150mm Flue Pipe extends above the top of the Outer Casing Slip Extension by 10.0 to 15.0 mm max. If needed add sufficient stainless steel 150mm Flue Pipe.
12. Fit 250mm Casing Cover (Bracketed) over the flue pipe and push into position (brackets seats on Outer Casing Slip Extension). Secure brackets to the Outer Casing Slip Extension with rivet or self-tapping screw.
13. Make sure Cowl is tight fit and secure it with one self-tapping screw only. Removal this screw for flue cleaning purposes and make sure it is put back after cleaning.
14. Fasten Ceiling Plate with correct fitted insulating blanket to ceiling using screws provided. Remove protective plastic from Ceiling Plate.

