

## Instruction For Frame Assembly.

### Frame Construction:

Set out frame as follows. The main part of the frame is the bottom rail, which houses the plastic, tube retainers. It is important to ensure that this is facing the correct way. There are two side rails, easily identified, as they are heavier and longer with pre drilling for the manifold and the bottom rail, and also for the three bracing rails, which are identified by having one hole at each end. There are two small adapters for fitting the back stays the side rails. There are two back stays, which are identified by being 1.285 meters long with a beveled edge at the top facing forward. There are three cross braces for the side rails. There are two cross braces for back of the unit fixed diagonally. The manifold is fixed at the top of the side rails using the 10mm nuts provided. There are four round feet for fixing to the roof frame.

1. Secure the bottom rail to the side rails using short bolts.
2. Secure the three bracing rails to the side rails using short bolts.
3. Secure the two small adapters, using long bolts, to the side rails (one each side) with the angled edge facing forward at the top.
4. Secure the two back stays, using long bolts, to the adapters with the angled edge facing forward at the top.

5. Secure the side braces to the back stay and the side rail using long bolts. The beveled edge should be facing up.
6. At this point the correct angle, for mounting on the roof, should be measured and the back stays cut to the required length.  
Reassemble the back stays.
7. Secure the two bracing rails at the back using short bolts
8. Secure the round feet to the side rails and the back stays using long bolts.
9. At this point it is easier to mount the frame to the roof without fixing the manifold to the frame, as the frame is very light and easy to move around.
10. Secure the manifold to the frame using the ten millimeter nuts provided.
11. Make sure all nuts are tight.
12. The frame should be secured to the ceiling joists by 12mm coach bolts or similar.