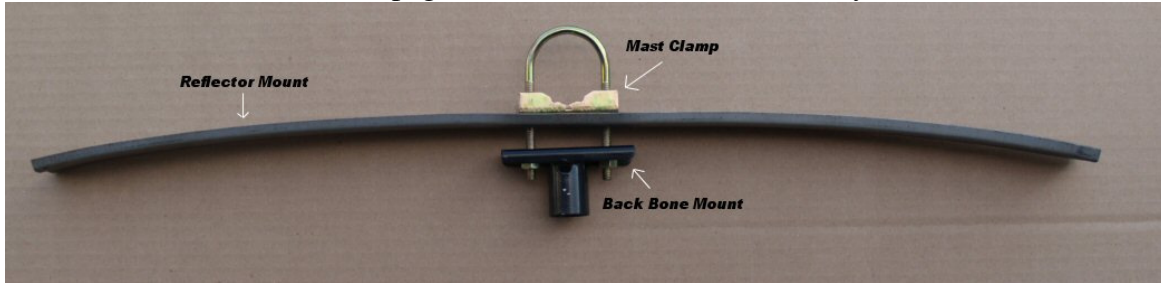


4 Bay Complete kit tips and instructions

- 1 The reflector assembly should be put together first, the mast clamps are inserted into the U channel of the reflector mount then the U bolts are inserted through both the mast clamps and reflector arms. The back bone pegs will be attached to the assembly later.



- 2 Slide the mast clamp / reflector arms onto a mast, and center it on your reflector both vertically and horizontally. The center to center distance of the reflector arms / mast mounts should be about 18 3/4" to fit the supplied back bone PVC center piece but can be as much as 2" shorter if needed. Try to align the reflector mounts so that they line up with the horizontal running wires of the reflector if possible.



- 3 Once the center to center distance is set attach reflector screen to the reflector arms by capturing the reflector screen between the back bone mount and reflector arms. Attach the reflector screen to each reflector mount using 4 self tapping screws and large diameter washers supplied. It may be easier to use a small drill to pre drill the holes in the reflector mount to aid when attaching the self tapping screws. Once the self tapping screws are tightened it may be good to slightly loosen the back bone mount until the back bone is attached later.



- 4 Now that both reflector mounts are attached to the reflector screen its time to assemble and attach the PVC back bone. Pre assemble the PVC back bone cut the longer PVC piece if needed so that when the PVC tee's are attached the center to center of the tee's match the mounting pegs. The shorter PVC pieces will be attached to the outer ends of the PVC tees. Once your back bone assembly fits the reflector mount / back bone pegs you can disassemble it and glue or screw it together. I suggest using a slow setting epoxy or small sheet metal screws to hold the back bone assembly together. PVC cement will also work well but the glue sets up very fast so you have to be very accurate with your assembly, you won't get a second chance.
- 5 Insert the PVC tees onto the mounting pegs; it's now OK to finish tightening the mast clamps at this time if you like. The PVC tee's can be glued with epoxy or use a self tapping screws to fasten the PVC tee's to the peg mounts. You may want to consider painting the back bone for better UV protection, the supplied light gray electrical PVC is treated for UV but the tees are not. In very sunny areas the PVC can get brittle over time, this is generally not a problem unless the antenna takes a large impact but it can't hurt.



- 6 Now that the back bone is fastened use the 4 bay instructions to attach the stand offs and whisker / phase lines to the back bone.
- 7 It's OK to trim the excess PVC pieces either side of the outer stand offs if you like and you may want to consider capping the ends or filling the back bone with expanding spray foam to keep insects out. If you cap the ends a drill a small hole in the bottom cap for draining condensation.



Be sure to follow local building codes as they apply to antenna installations and grounding.