

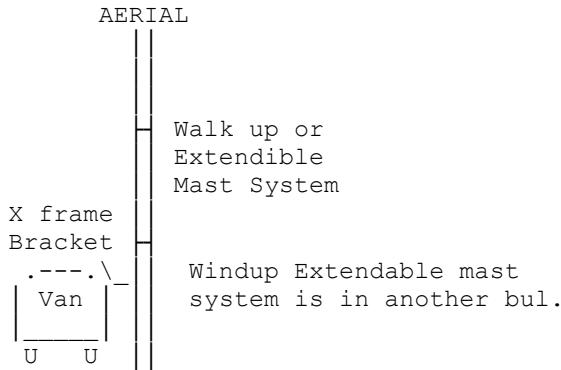
Vehicle Gutter /P Mast Support

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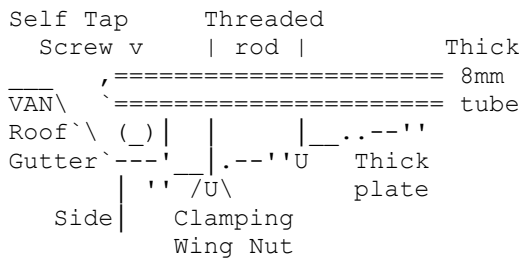
(Updated Apr 05)

Here is a mast support system for the side of a car or van with a gutter.  
 (Other roof supports are possible for example an extension from a ladder rack,  
 or a metal sheet shut in door/window to support the mast, the higher the safer!

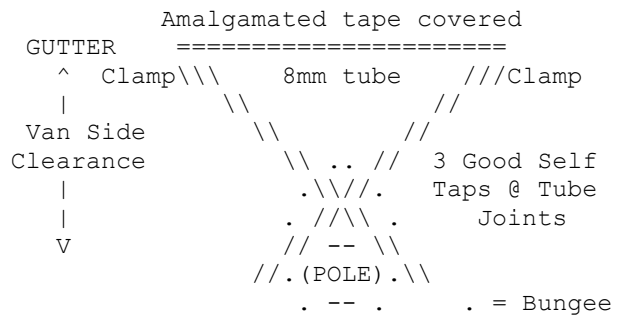


GUTTER "X" FRAME SUPPORT

CLAMP ARRANGEMENT



PLAN VIEW



If the Car or Van an has a conventional gutter on it this method gives a sturdy mast support at the gutter height, in my case at 2M.

Construction: You use 3 pieces of thick ally tube to make a large triangle about 40cms a side (or as required to clear your car & curved roof etc). The 2 longer pieces cross over to form the pole support X. Drill holes & put 2 well fitting self taps into the upper side of the shorter tube, then 1 at the X point. Now at cut some steel plate (2-3mm thick) to make the under gutter clamps, 6cm long, with the car end angled to match. Drill holes for 2 thin long thread rods or bolts each one left loose as a locating pin & the other with a wing nut to clamp up plates to the gutter. When the construction is done tape the gutter tube up to be snug fit & the clamp ends so as not to scratch the paint work.

IN USE

Pop the pole vertical, attach to X bracket (bungee). Use the bungee tension to stop the mast for turning! Keep the bottom position on the ground to keep vertical.

Depending on conditions bottom can be left on the ground or a bearing plate pegged in. Drive over bottom bearings/supports seem a good idea, but U need to be able to reposition it to make the mast vertical.

It is generally wise to have cables well secured, either just to the top of an extending mast or all the way down on a walk-up one.

In public areas I always guy the mast with 4 guy strings for safety as well!

Also used with it is a 12V rotator that the mast sit on. It is a low torque easily stalled rotator so of anything fouls up it does no damage!

Why Don't U send an interesting bulletin?

73 de John G8MNY @ GB7CIP