

One of our club members from Bakersfield, Wayne KB6TDK, has made a portable mast mount that fits a 2 inch hitch receiver. It works best on a truck with a front mounted hitch, but will also work well on any vehicle with a 2 inch receiver on the rear of the vehicle. The mount is articulated in such a manner as to allow you to mount the mast in a vertical manner no matter how unlevel the vehicle is that it is mounted on. The mount is designed to work with a 2 inch OD mast, but other sizes can be accommodated upon special request. The 2 inch square tubing that goes into your receiver is normally 18 inches long; again custom sizes can be requested. The mount is currently in prototype mode and a final cost has yet to be determined, but it is anticipated to be between \$50 and \$99. If you plan to use a rear mounted location be sure to keep the swing of any doors, hatches or tailgates in mind if you wish to open door or hatch after the antenna is in place. You can articulate the mount to the horizontal position to allow you to insert the mast with it parallel to the ground, and then raise the mast to the vertical position to keep from having to stab the mast into the mount while holding the mast vertical.

I have agreed to be the local point of contact. The masts will not be available until later in the summer (possibly September) due to prior commitments. If you are interested please feel free to contact me and I will compile any questions or orders and pass the information along to Wayne.

Mike Higgins, KA6IYS

mike@n6krv.org

(760) 378-1028



Adjustable Angle Antenna Mast Mount

INSTRUCTIONS

The receiver hitch attached Adjustable Angle Antenna Mast Mount installs in a common 2" receiver hitch available on many cars and pickups with the pin and clip provided. It will allow a user to park on nearly any angle possible with his/her vehicle and yet acquire a plumb antenna mast for communications purposes. It is advised that vehicle be positioned such that antenna mast will point away from the bodywork when substantially uneven ground is required to park on. See Figure 1, below.

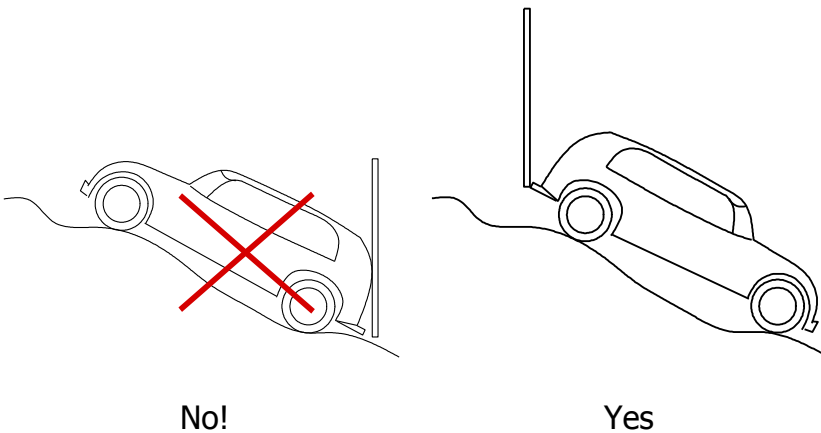


Figure 1

Before adding mast and previously installed antenna with transmission line, loosen both half inch bolts on mast mount to allow for easy movement by hand. After determining mounting sleeve to be vertical, **tighten both bolts with lock washers to 75-100 ft./lbs. torque.** A torque wrench should be used for this purpose because of the substantial leverage available at the tip of the mast by wind loading of antenna.

WARNING: This antenna mast mount is only to be used while vehicle is not in motion and solely for the purpose of supporting 2" or smaller diameter mast sections not to exceed 20 feet in length. It is not to be used for any other purpose such as pulling or towing.