

## FM ANTENNA "FIST AND ELBOW TEST" TIEDOWN ON 1/4 TON VEHICLES

1. Antenna tiedown must involve a triangular cording arrangement with the hook/clamp secured by a knot in the middle of the cord. No part of the tiedown is permitted to be vertical; thus the triangular arrangement insures that the antenna is snubbed so that it cannot swing sideways while the vehicle is moving.

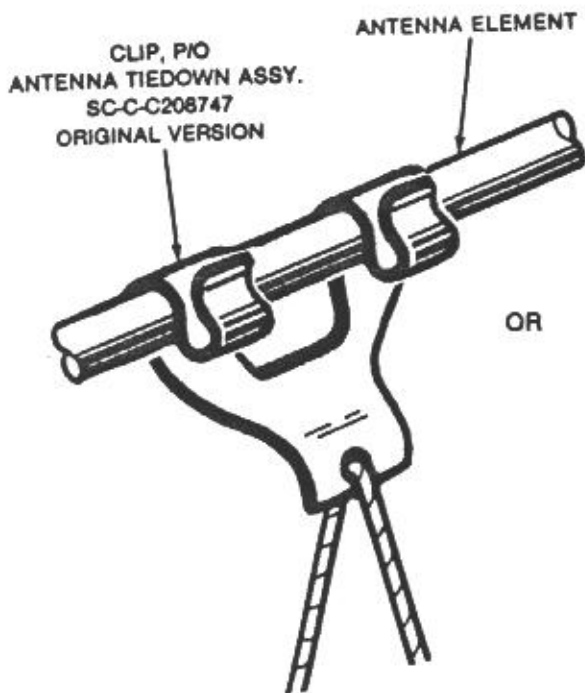
2. A simple means of obtaining uniform height and horizontal alignment for tiedowns on a jeep is the "Fist and Elbow Test". To use it, unhook the antenna tiedown cord and bring the hook/clamp out to the front of the vehicle. If the ends of the cord are fastened at each side of the vehicle on the windshield hinges, and if the tiedown is in its correct alignment, the hook/clamp will be positioned about 15 inches directly in front of the headlamp which is on the same side as the matching unit. As a quick measurement, simply place your fist on the headlamp while standing in front of the vehicle. If the hook/clamp can be made to touch your elbow when the cords are pulled tight, then the tiedown is *CORRECT*.

3. Where there are two antenna systems on a jeep, it must be stressed that two separate tiedown kits are required, and each makes its own triangle. To check the antenna on the passenger's side, place the fist on the headlamp on the passenger's side. In all cases the arm should be positioned so that the elbow is directly in line with the center of the headlamp.

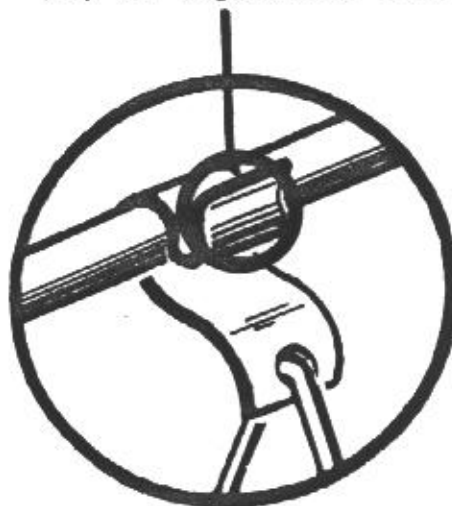


# AUTHORIZED TIE DOWN METHOD

(CORRECT METHOD SHOWN)



OR



Secure antenna tiedown  
for road or rail movement  
depending on tiedown  
clamp supplied.

ANTENNA TIE DOWN POLICY "The antenna element on ALL M151 Series vehicles will be placed in the tied down position anytime the vehicle is in motion. The only authorized tie down position will be the antenna being UNDER the "S" clamp and never clipped on top of the clamp where it could be jarred loose. The only time an antenna will be in the raised position is when the vehicle is completely stopped and not near any overhead power lines. This procedure applies to field and tactical operations as well as over the road movement."