

## A16XX & A46XX Series Installation Instruction

### Low Profile Mobile Antennas

#### Assembly Instructions

This series of antennas have been designed so that no tuning is necessary for optimum performance.

They are shipped from the factory fully tested and should provide years of dependable service.

#### To Install:

These antennas need to be installed on a flat surface that provides a good ground plane. No cutting or tuning is required to achieve proper performance.

If it is being used to replace an existing antenna that is installed on a standard NMO or TAD type mount, it can be screwed on the existing mount.

If it is a new installation, the same procedures for mounting a standard NMO or TAD type mount kit should be followed. This antenna works very well with the Comtelco C mount which can be mounted using a 3/8" (9.5mm) hole and provides a good 50 ohm constant impedance which is especially important for coverage up to 1970 MHz.

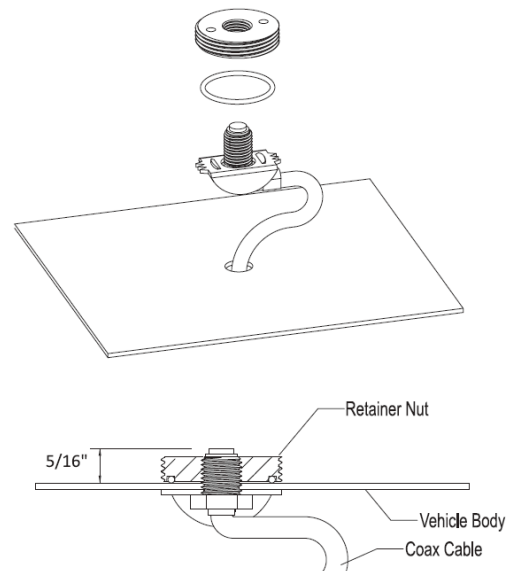
#### Antenna Mounting

The best performance is always obtained by positioning the antenna at the center of the vehicle roof. Other options include a rear trunk deck or fender. These options do not provide optimum performance but may allow acceptable results. Most antennas require a good ground plane for optimum performance. Poor ground planes and improper mounting position may cause less than optimum results.



[Terms and Conditions](#)

#### INSTALLATION INSTRUCTIONS FOR MOBILE MARK "C" MOUNT IN 3/8" (9.5mm) OR 3/4" (19mm) HOLE



Drill a 3/8" (9.5mm) or 3/4" (19mm) hole in the car body at the desired location. Clean any burrs and paint from the area around the edge of the hole.

For a 3/4" (19mm) hole, route coax from the outside of the car through the hole. Tilt the mounting assembly at a slight angle and insert it into the hole.

For a 3/8" (9.5mm) hole, the assembly must be fed through the underside of the mounting surface. When mounting through a heavy wall material or a fiberglass body the stainless-steel saddle should be discarded. Thread the retaining nut with the "O" ring in position on the stud. Tighten the retaining nut making sure the "O" ring becomes compressed enough for the retaining nut to come in contact with the mounting surface.

**ATTENTION:** Always wear safety glasses and follow the proper safety practices when installing this antenna.

