

A1511 Installation Instruction

Cutting Chart For A1511 Broadband Quarterwave Antennas

Installation Instructions for Mobile Mark "C" Mount in 3/8" (9.5mm) or 3/4" (19mm) Hole

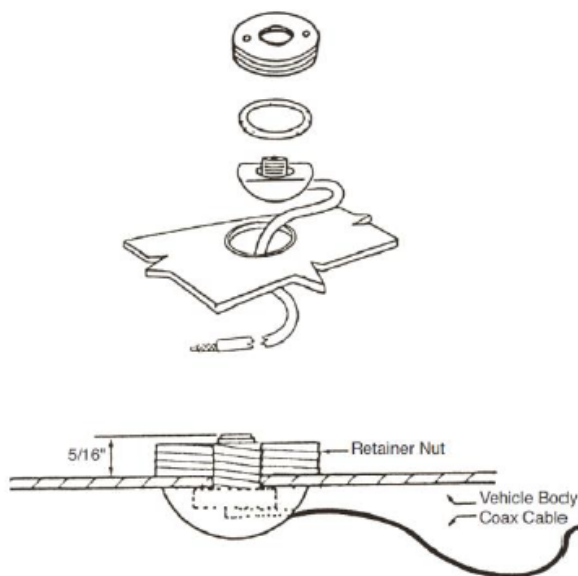
Drill a 3/8" (9.5mm) or 3/4" (19mm) hole in the car body at the desired location. Clean any burrs and paint from the area around the edge of the hole.

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.



[Terms and Conditions](#)



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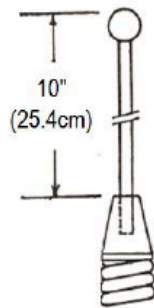
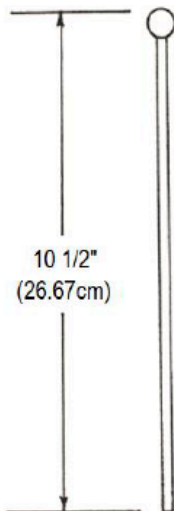
This versatile antenna is shipped from the factory with a 17-1/2" (44.45cm) whip that provides coverage from 134MHz through 150MHz at less than 2:1 VSWR. By moving the whip in the adapter, a VSWR below 1.5 : 1 at specific frequencies can be obtained.

For operation from 150MHz through 174MHz the whip should be cut to 16" (40.64cm). At this frequency the antenna provides a minimum of 24MHz bandwidth. The bandwidth continues to improve as you move up in frequency getting as high as 100MHz above 400 MHz.

For specific operation in the 220MHz and UHF bands, the following instructions apply.

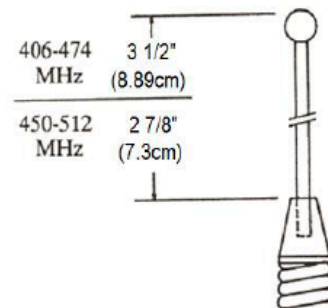
For operation at 220-225MHz

1. Trim whip from the bottom to 10-1/2" (26.67cm).
2. Position whip so 10" (25.4cm) protrudes from the top of the adapter.



For operation above 406MHz

1. Trim antenna from bottom to 4-1/8" (10.477cm).
2. The upper or lower segment of the band may be favored by moving the whip in the adapter as shown.



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.



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