

HF-SSB Heavy Duty Mobile Antenna

Model FAD-1402

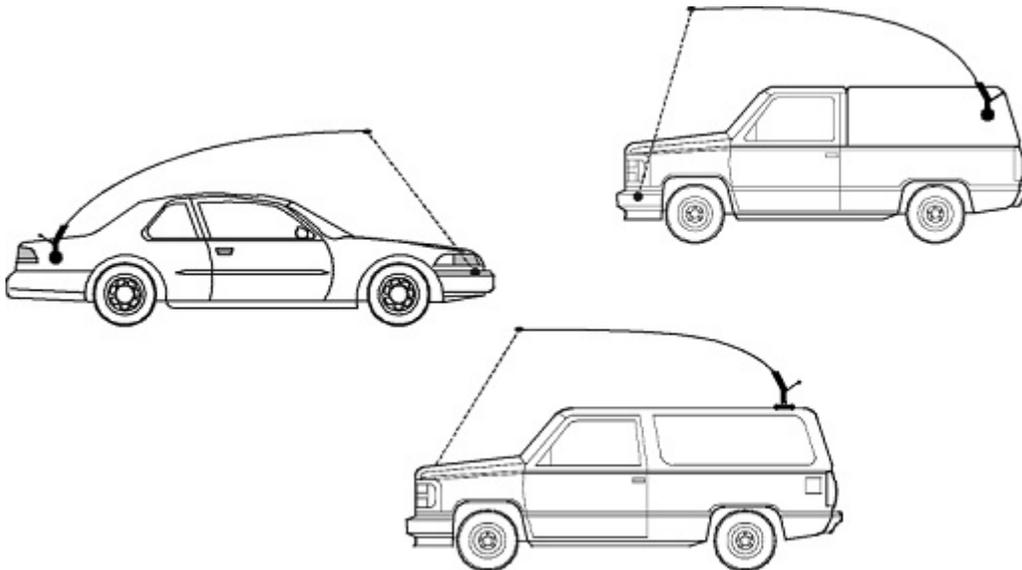
Description

The FAD-1402 antenna consists of one section measuring six feet with threaded end and a rigid base. The antenna, which maintains a corrosion-free appearance through long service life, can be mounted on vehicles with single- or double-wall construction. A rigid mount adapts the antenna for mounting in a convenient location on the vehicle due to its manual two axial rotatable operations.

Mounting Considerations

To achieve maximum operating range, the antenna should be mounted as high on the vehicle body as possible without striking overhead obstructions in the normal service area of the vehicle.

Select a mounting location on a flat portion of the vehicle body, compatible with the maximum allowable high voltage lead-in cable length. If room is available, a desirable location is the flat area between the rear window and the trunk lid.



GENERAL SAFETY INFORMATION _____

The United States Department of Labor, through the provisions of the Occupational Safety and Health Act of 1970 (OSHA), has established an electromagnetic safety standard which applies to the use of mobile radios. Proper installation and use of this antenna with MICOM radios will result in exposure below the OSHA Limit. Antennas must be installed at least two feet (0.6 meter) from vehicle operators and passengers unless shielded by a metallic surface.

Installation of Antenna Mount Base on Single-Wall Construction Vehicles

Step 1 Drill three 17/64 inch (6.75 mm) holes in the vehicle wall. Use the drilling guide supplied with antenna mount base to drill the remaining holes. Drill additional inch hole in the shortest path towards the Antenna automatic Tuner.

Throughout the whole procedure, avoid touching the rough edges of the holes!

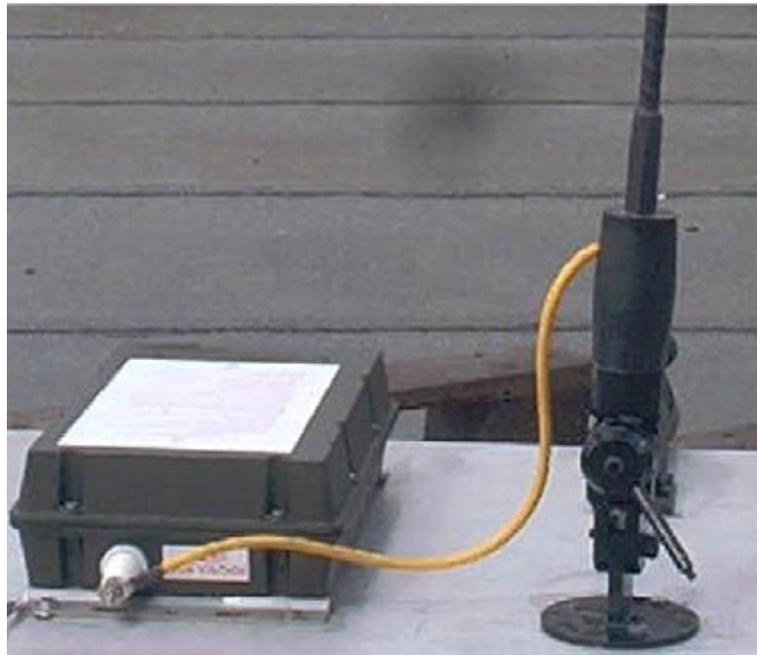
Step 2 Assemble the antenna base unit using the three added screws to the vehicle wall. Fasten the three screws to get a maximal hold..

Step 3 Tune the Antenna base using the two axial tuning elements to the required position.

CAUTION

Maximum high voltage antenna lead-in cable length from the antenna tuner to hex nut (2) should not exceed 18 inches (46 cm). A shorter cable length is preferable. After the cable is dressed, it should be no closer than 1 inch (2.5 cm) to any metal surface along its length. Cable contact with the vehicle wall could cause arcing between the wall and the cable.

Step 4 Route the high voltage antenna lead-in cable the antenna tuner to hex nut (2). One end of the cable should be connected to the tuner (see tuner manufacturer's instructions).



**Automatic Antenna
Tuner**

**Heavy Duty
Antenna**