







## INSTALLATION OF THE YA-007FG HF MULTI-BAND MOBILE ANTENNA

The YA-007FG provides multi-band mobile operation between 3 and 30 MHz when used with the Yaesu FC-1000 Automatic Antenna Tuner and a Yaesu HF transceiver. The YA-007FG can be installed on the rear bumper of the vehicle, with the Tuner Unit of the FC-1000 located in the trunk or other rear compartment. The transceiver and Controller Unit of the FC-1000 can be mounted anywhere in the vehicle where it is convenient to the operator. The YA-007FG consists of two parts: the RSM-10 Bumper Mount (with 2m cable) and the FSL-10FG whip element.

- (1) Before beginning installation, determine the mounting location for the RSM-10 on the rear bumper that will allow less than 2m (6') of (cable) distance between it and the FC-1000 Tuner Unit when mounted in the trunk. Then affix the RSM-10 to the bumper as shown in Figure 1.
- (2) Mount the FC-1000 Tuner Unit in the desired location in the trunk, and then connect the cable from the RSM-10 to the antenna terminal on the Tuner Unit, and connect the grounding terminal of the Tuner Unit to the (metal) vehicle chassis through the shortest possible path.
- (3) Screw the RSL-10FG antenna element onto the RSM-10 as shown in Figure 2.
- (4) Connect the coaxial cable and the control cable between the FC-1000 Tuner Unit and Controller Unit.

Refer to the manuals for the transceiver and the FC-1000 for mounting instructions for that equipment.

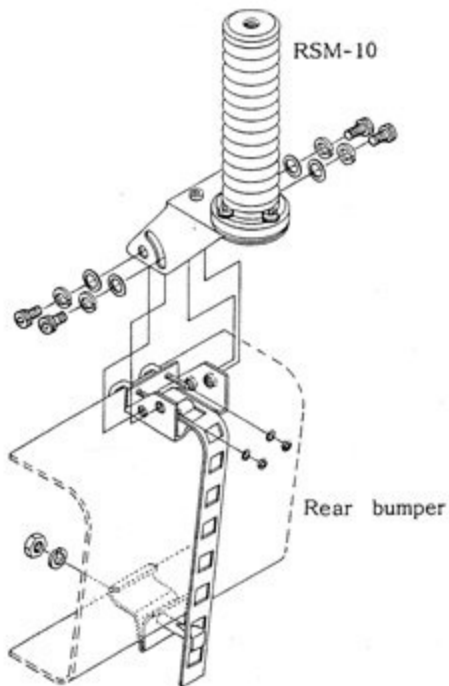


Figure 1

### CAUTION!

DO NOT ALLOW ANYONE TO TOUCH THE ANTENNA ELEMENT WHEN TRANSMITTING, AS HIGH (RF) VOLTAGE ON THE ANTENNA CAN CAUSE BURNS.

