

Installation Instructions

Model RUM-450

The RUM-450 is tunable from 430 MHz. to 480 MHz. with an approximate bandwidth of 8 MHz. under 1.5:1 SWR and 18 MHz. under 21 SWR. Both the lower mast and tip rod are adjusting by loosening the set screws. Adjustments of the resonant frequency are much sharper on the lower mast, therefore it is our suggestion that adjustments should begin on the lower mast. Adjust the lower mast for best SWR by inserting a reliable SWR bridge in coax line and record the SWR at the high, center, and low edge of the bands. If the SWR reading is lowest at the high end, lengthen the lower mast in 1/8" increments (1/8" adjustments in lower rod equals approximately 2 MHz. of movements in frequency); if it is lowest at the low end, shorten the lower mast. Now adjust the upper tip rod in 1/4" increments (1/4" adjustments in upper rod equals approximately one (1) MHz. movements in frequency) to fine tune for optimum SWR. It may be necessary to trim the rod in some instances. Should the tip rod need to be shortened, do so by grinding the rod from the bottom end. Be sure to remove all burrs from the rod before reinserting.

GENERAL INFORMATION AND SAFETY WARNING

Your Hustler magnetic mount antenna uses the most efficient method of providing magnetic attachment force available. It is stronger per square inch of magnetic surface than any commonly available on the market today. The mount will hold securely, under normal driving conditions when placed directly on any flat metal surface of the average automobile at speeds above the legal limit. However, you are cautioned that the attachment force of magnets is diminished by the thickness of steel, paint, vinyl, materials and padding, dirt or other foreign material between the magnets and the metal. You are, therefore, cautioned against this remotely possible danger and advised to use only the recommended mounting method.

CAUTION: Do not slide magnet across car surface. To prevent scratching while removing magnet, tilt up one side of the magnet first and lift up.

The use of handheld radios can be very stressful on the RG-58 coax just behind the SO-239 connector, therefore it is recommended that a right angle (elbow) adapter be used to reduce the amount of fatigue on the coax.

NEW-TRONICS ANTENNA CORPORATION LIMITED WARRANTY

New-Tronics Antenna Corp. warrants its products to be free of defects in material and workmanship and extends this warranty under intended use and normal service conditions to the original owner for a period of two years from the date of purchase. This warranty does not apply to any product that has been repaired or altered in any manner and is void for any damage due to accident, neglect, unreasonable use, improper installation, or any other cause not arising out of defects in material or workmanship.

The obligations of New-Tronics Antenna Corporation are limited to repairing or replacing, at its option, any product or part that is returned to the factory; all transportation charges prepaid, accompanied by proof of purchase, and upon examination reveals to have been defective within the warranty period stated above.

New-Tronics Antenna Corp. does not assume nor is any person authorized to assume for it, any obligations other than that herein stated. Any implied warranties, including but not limited to fitness for a particular purpose, is limited in duration for the above two year period. New-Tronics Antenna Corp. shall not be liable under this warranty, or any implied warranty, for loss of use of the product or for other consequential loss or damage incurred by the purchaser. Some states do not allow the exclusion or limitation of implied warranties of consequential damages and so the above exclusions or limitations may not apply in those states. This warranty gives you special legal rights and you may have other rights that vary from state to state.



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