



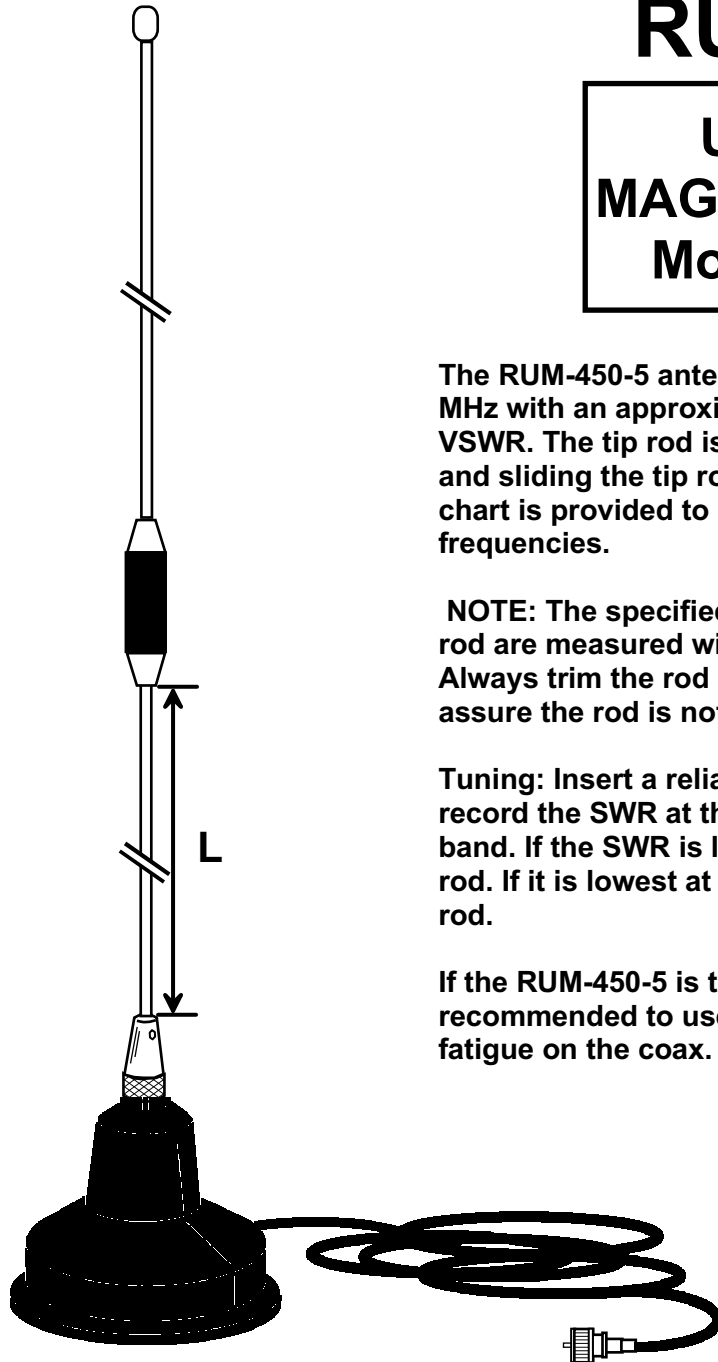
"Beyond Your Expectations"

# INSTALLATION INSTRUCTIONS

Model:

## RUM-450-5

**UHF 5 dB  
MAGNETIC MOUNT  
Mobile Antenna**



The RUM-450-5 antenna is tunable from 450 MHz to 470 MHz with an approximate bandwidth of 5 MHz under 1.5 VSWR. The tip rod is tunable by loosening the hex screw and sliding the tip rod within the adapter. A tip rod cut chart is provided to give approximate lengths L for specific frequencies.

**NOTE:** The specified lengths for the exposed portion of the rod are measured with the rod inserted in the adapter. Always trim the rod 3/4" longer than the given length to assure the rod is not too short.

**Tuning:** Insert a reliable SWR bridge in the coax line and record the SWR at the high, center, and low edge of the band. If the SWR is lowest at the high end, lengthen the tip rod. If it is lowest at the low end of the band shorten the tip rod.

If the RUM-450-5 is to be used with a handheld radio, it is recommended to use a right angle adapter to reduce fatigue on the coax.

### CUT CHART

FREQUENCY	LENGTH (L)
450 MHz	14"
455 MHz	13 3/16"
460 MHz	12 1/2"
655 MHz	12"
470 MHz	11 3/4"

RUM-450-5

Kit No. 9781-1

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