DIAMOND ANTENNA

NR22L

2m Mobile Antenna

Instruction Sheet

The NR22L is a high performance mono-band, 2-5/8 wavelength mobile antenna, optimized for the 144-148 MHz amateur band. The NR22L yields 6.5 dB gain from a Mobile antenna. Use Diamond Antenna model K400C or K600M Trunk Mount, for best performance.

Specifications

FREQUENCY:	144-148 MHz
GAIN:	6.5 dB
POWER:	100 Watts
IMPEDANCE:	50 Ohms (Nominal)
VSWR:	1.5:1 (Nominal)
ELEMENT PHASING:	2-5/8 Wave
LENGTH:	96.9”
WEIGHT:	1.1 lbs. (500g)
MOUNT:	UHF MALE
WARRANTY:	1 Year against defects in material or workmanship.

RECOMMENDED MOUNTS: K400C or K600M

Installation Instructions

(1) Remove antenna from package and inspect contents to insure it is complete.

(2) Choose desired mounting location to insure maximum strength of mount, and best performance of antenna.

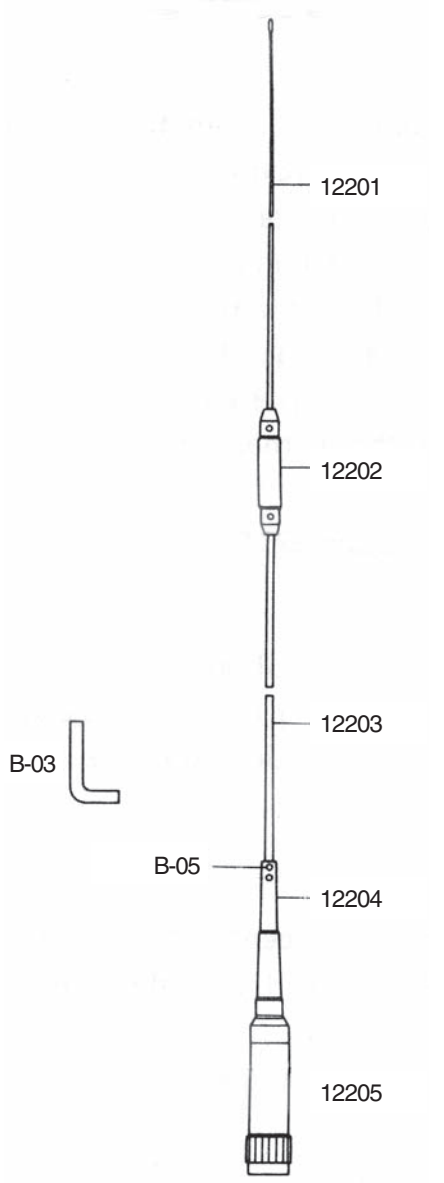
(3) Assemble upper whip element #12201 to Phase inductor #12202.

(4) Install antenna on vehicle. With quality VSWR meter, check VSWR for proper antenna tuning. The NR22L is pretuned and should require no additional tuning. However, choice of antenna mount and location should take into consideration the antenna’s size and the torque imparted to its mount. Mounts of sufficient strength are Diamond models K400C and K600M.

NOTE: In some installations it may be desirable to trim a small amount from each element. Trimming 1/4” increments will have the effect of raising the operating frequency. Measure VSWR at lowest and highest operating frequency to optimize range.

(5) Tighten setscrews. Recommend using removable Loctite Threadlocker #242 or similar product to insure proper fastening of setscrews.

NOTE: Not recommended for Magnet Mounts.



Part #	Part Description
12201	Upper Whip Element
12202	Phase Inductor
12203	Lower Whip Element
12204	Omnidirectionally tiltable Whip structure section
12205	Impedance matching section
B-05	Set Screw
B-03	Hexagonal Wrench

DIAMOND ANTENNA Products are distributed by RF PARTS COMPANY
5340 BBS Way | Braselton, GA 30517 | (770) 614-7443
www.diamondantenna.net