

OPERATING INSTRUCTIONS

NR770S

2m/70cm DUAL BAND HIGH PERFORMANCE MOBILE GAIN WHIP ANTENNA (70cm, 1/2 WAVE RADIALLESS WHIP ANTENNA)

Description

1. Since the antenna employs radialless structure on 70CM band, it works well at temporary fixed station, bicycle or with handheld transceiver.
2. And even in 2M band, its compact element structure decreases environmental effect and can be very easy to find the installation place.
3. The antenna is designed to go well with the shape of contemporary car design.

Installation

Since the NR770S employs radialless structure on 70CM band, it can be installed at virtually any place on your car. In any case, use DIAMOND's genuine gutter or trunk lid mount bracket or magnetic base which is available at major ham shops for maximum safety.

Adjustment

The NR770S is factory adjusted to cover entire 2M and 70CM bands.

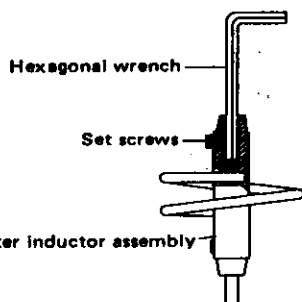
If frequency coverage has to be altered, it can be changed by adjusting whip element length. It can easily be changed by loosening set screws on whip element bracket and put the element in and out. After element length is adjusted, those screws have to be refastened firmly.

Note

Since those set screws on center inductor and whip element bracket may be loosened due to the vibration during driving, they have to be refastened from time to time after several drives especially the antenna is right off from the package.

Specification

Frequency	144-146MHz, 430-440MHz
Gain	2.15dbi (144MHz, 430MHz)
Max. power rating	100W
Impedance	50ohms
VSWR	less than 1.5:1
Length	0.43m (16.9")
Weight	150g (0.33lbs)
Connector	UHF male
Type	1/2 wave radialless gain whip antenna (430MHz) 1/4 wave whip antenna (144MHz)



If center inductor is loosened, realign it by removing upper and lower whip elements and fasten two set screws inside center inductor assembly with hexagonal wrench as shown in Fig. 1.

The inductor has to be place horizontally as shown in Fig. 1.

Part name (Number)

