

**2m/70cm Dual Band High Performance
Radialless Mobile Gain
Whip Antenna Series**

NR-770HA

**DIAMOND
ANTENNA**

Omnidirectionally tiltable whip structure

Description

1. The NR-770HA employs radialless structure which allows it to work well at temporary fixed station, on bicycle or with handheld transceiver.
2. Omnidirectionally tiltable whip structure enables the antenna to be tilted for any direction with a touch of your finger tips. It eliminates troublesome antenna detachment work when your car is being parked in a garage.
3. Both bands can be operated simultaneously by using separately sold antenna duplexer. *DIAMOND's genuine duplexers are recommended.
4. The antennas are designed to go well with the shape of contemporary car design.

Installation

Since the NR-770HA employs radialless structure, it can be installed at virtually any place on your car. In any case use DIAMOND's genuine antenna brackets or bases. Variety of: roofside gutter mount or trunk lid mount brackets, or rooftop magnetic bases are prepared for your convenience.

Adjustment

The NR-770HA can be operated without any adjustment on 2m and 70cm bands. If frequency coverage has to be changed, put the whip element in and out of the whip element bracket section. It can easily be practiced by loosening two set screws on the upper part of omnidirectionally tiltable whip structure section, using a hexagonal wrench. Be sure to refasten the screws firmly after adjustment is finished.

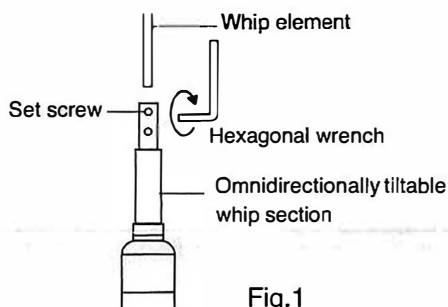
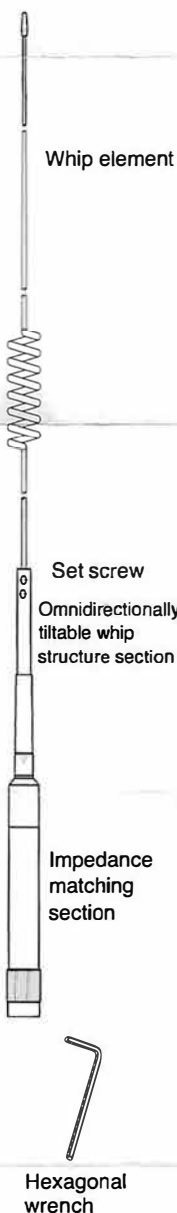


Fig.1

Parts name



To tilt the antennas

The NR-770HA employs omnidirectionally tiltable whip structure. If the antenna has to be tilted when parking the car, pull the antenna up at omnidirectionally tiltable whip structure section and incline it to desired direction. Be sure not to drive the car with the antenna tilted. Since tilted antenna can move freely to any direction, it may hurt pedestrians or cars around your car.

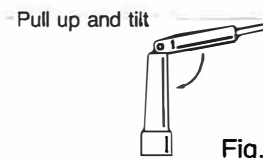


Fig.2

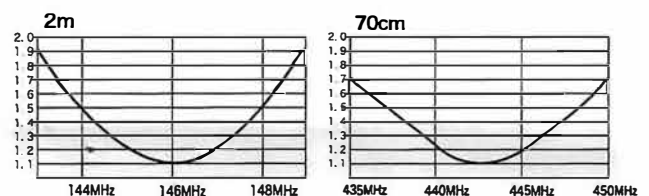
Note:

●The NR-770HA employs DC ground structure. The whip element and ground section, (outer shell of the impedance matching section) are short circuited. Center conductor of the feed point, connector and whip element are isolated.

●The set screws on connecting section should be fastened firmly right after taking out from the package. They need to be refastened time to time if they get loose due to the vibration during driving.

Loose element could fall off which can hurt pedestrians or cars around your car.

V.SWR chart



Specifications

Frequency	144-148MHz 440-450MHz
Gain	3.0dB(2m) 5.5dB(70cm)
Max. power rating	200W
Impedance	50ohms
VSWR	Less than 1.5:1 (see charts)
Length	1.02m(40.2")
Weight	250g(0.55lbs)
Connector	UHF
Type	1/2 wave radialless gain whip (2m) 5/8 wave two element radialless gain whip (70cm)