

GP-9

Ultra High Gain Dual Bander for 144 & 430MHz

Features

- ** SLC -system, super-linear-converter, realized low-loss maxim. gain.
- ** Wide-band and No Frequency adjustment is required.
- ** Heavy duty Fiberglass guarantees complete water/polution-proof, preventing QSB.
- ** Newly invented, ABS-Joint system provides finest beam pattern and easy assembling works.
- ** Lightning protection is equipped, which guards your transmitter,
- ** Please enjoy dual-band-communication, using Comet duplexer, CF-416 and/or CF-4160.

Specifications:

Frequency	: 144 & 430MHz
Gain	: 144/8.5dB, 430/11.9dB
Impedance	: 50 ohm
V.S.W.R.	: Less than 1.5
Length	: 5.15 m
Max power	: 200 w
Weight	: 2.2 kg
Available Mast	: 30 - 62mm dia
Connector	: N (or M)-type

(G) Finally, mount the all assembled antenna to your pole. Because GP-9 is long 5.15m high antenna, please pay attention on the balance, and use strong pole as possible, 30-60mm dia. Please refer to Fig. 6 for total mounting.

Assembling & Mounting :

- (A) Joint the Lower Element and the Mid Element using Hex. Wrench, (See Fig. 2)
- (B) Insert Mid Antenna Pipe to Lower Ant. Pipe. Then, assemble Lower Lock Screw and Mid Joint Receptacle with rubber washer strongly. (See Fig. 3)

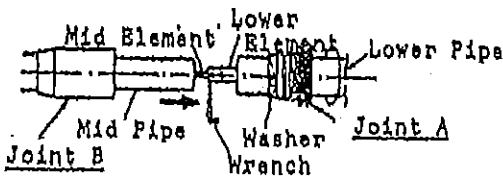
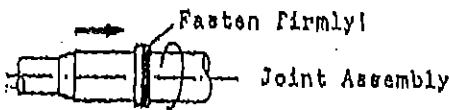


Fig. 2



- (C) Joint Upper Element and Mid Element with hex wrench firmly.
- (D) Then, insert Upper Ant. Pipe to Mid Ant. Pipe and proceed ABS joint assembling, as done in (B).
- (E) Assemble 3 radials. The Radial Lock Nut must be fasten firmly, using spanner etc. (Fig. 4)
- (F) Then, mount 2 Mount Bracket to the Mount Support Pipe. Pass the coax. cable through the Pipe and connect to the Power feeding section. Please fasten Hex Bolts firmly. Then, assemble such Support Pipe to whole Antenna and fasten Lock Bolt.

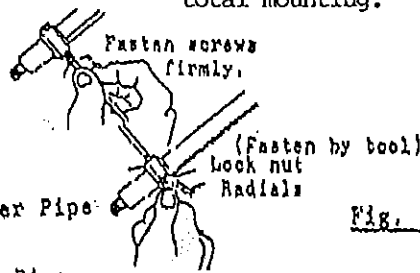


Fig. 5

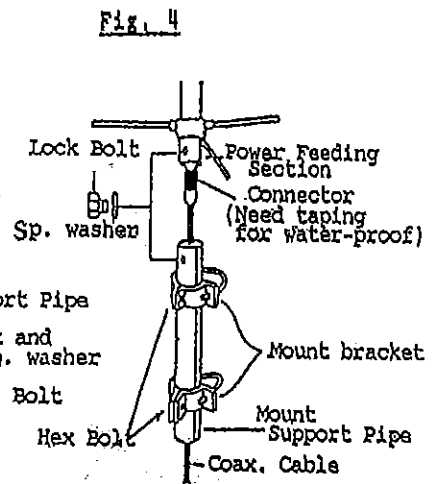
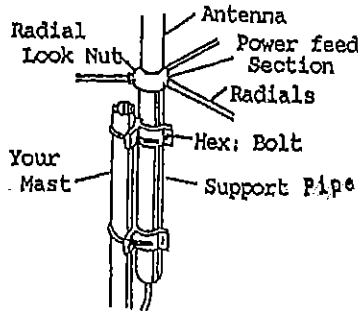
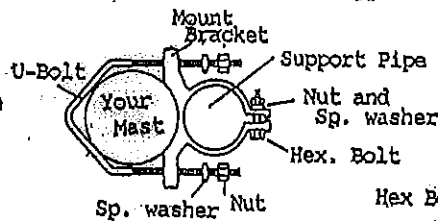


Fig. 4

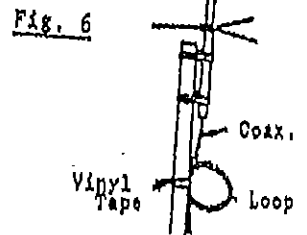
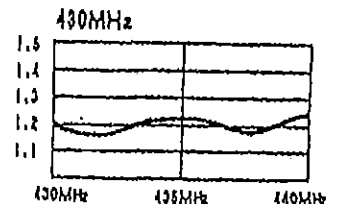
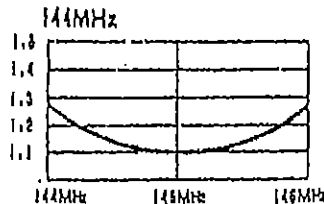


Fig. 6

V.S.W.R. Character



Note:

For long period use, please proceed water-proof works properly, with glue, Self-melting tape, and/or vinyl tape.