

## MODEL UHV-6

Multi Band Mobile Antenna for

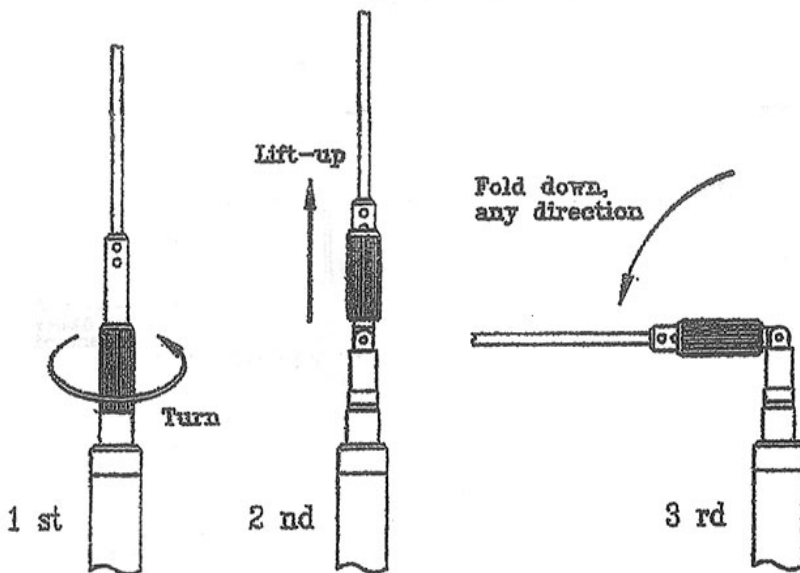
7MHz, 21MHz, 28MHz, 50MHz, 144MHz, 430MHz

3.5MHz(option), 14MHz(option), 18MHz(option),

### Features :

- ★ Developed for transmitting 50, 144 & 430MHz basically. With addition use of HF-coils+Elements, UHV-6 can be used for 6 or 7bands easily.
- ★ UHV-6 is developed for multi-purpose operation. Frequency characters of 50/144/430MHz, however, will keep always best condition, irrespective of any additional use of extra coils and elements.
- ★ Combinations use, with COMET duplexer, such as CF-530 or CF-706/CF-360, allows multiple TX and RX, at the same time.
- ★ Free direction Fold-Over is convenient while parking the car in narrow space.

### How-to fold-down the antenna



### How to use:

- ① Please confirm tight fastening of each set screws by using standard spanner.
- ② Tighten antenna on base connection.
- ③ For better transmission, set antenna at vertical-position as much as possible.
- ④ Please confirm VSWR while transmitting.

### Specifications:

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Frequencies       | : 3.5MHz(option), 7MHz, 14MHz(option), 18MHz(option), 21MHz, 28MHz, 52.5MHz, 146MHz, 430MHz |
| Gain              | : HF-50MHz/ 0dB , 144MHz/2.15dBi , 430MHz/5.5dBi                                            |
| V.SWR             | : HF Less than 1 : 1.6<br>50/144/430MHz 1 : 1.5                                             |
| Impedance         | : 50Ω                                                                                       |
| Max. in-put Power | : 120W / SSB(50 +144MHz-200W / SSB)                                                         |
| Weight            | : 540g(min.) – 730g(max.)                                                                   |
| Length            | : 1.9m(max. at 7MHz operation)                                                              |

## Frequency Adjustment :

★ 50/144/430MHz. Basically, no adjustment is required.

- 1) In case of 50 / 144MHz, finer freq. Control can be done, adjusting length of Element. Please unfasten the Element fix screw.
- 2) HF-bands-Antenna length is shorted at each loading coils. Frequency control at each HF-bands can be done, by adjusting the length of each adjust Elements, extending or cutting little by little. When the elements were cut too much by mistake, please use extra elements (90mm / 2pcs. 550mm / 1pcs.) involved in the package.

## Frequency Shift by each 1cm are :

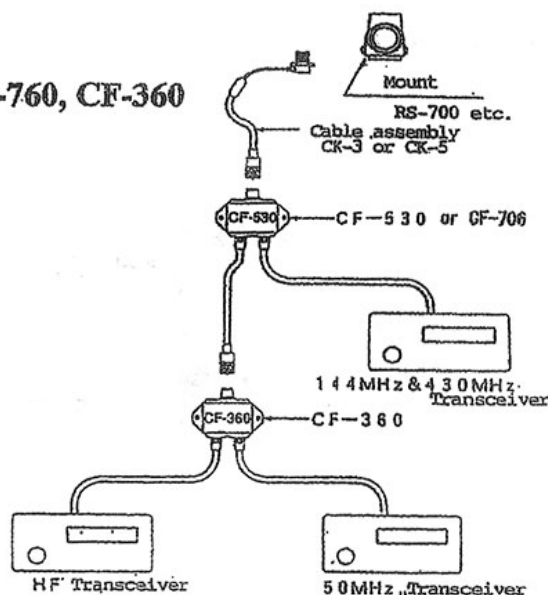
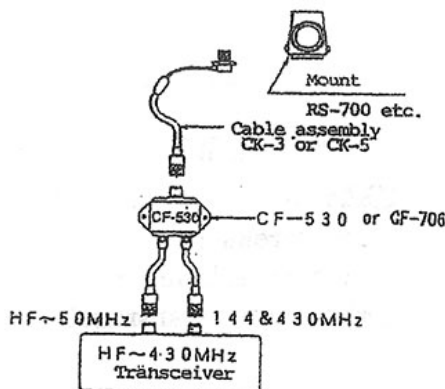
7MHz.....0.042MHz  
14MHz.....0.25MHz

21MHz.....0.35MHz  
28MHz.....0.5MHz

## Note & Remarks :

1. Please read through this Operation Manual initially, before assembling start, and find out the desired Frequency Combination.
2. model UHV-6 includes many components. Before driving start, please confirm tight fastening of each Set Screws.

## ● Wiring Examples with Mount, Duplexers CF-530 or CF-760, CF-360



## [Maintenance]

- ☆ If mal-function is occurred, stop operation and try find the reason. If it is not settled, please contact the store/ shop where you purchased the antenna or our Engineering Department.
- Before driving start, please check the SWR is in correct position.
- Routinely, please confirm tight fastening of each Set Screws.

## [Customer Service]

- Replacement parts and accessories are available at our dealer and our factory.
- This quality product is manufactured under strict quality control. Please contact the store/ shop for those damaged by transportation.
- For further information about assembling work and other technical matters, please contact to our Engineering Department.

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Please do not remove the top-tip.  
If removed, Corona electric discharge  
will arise from 25-30W operation at  
7 or 14MHz

