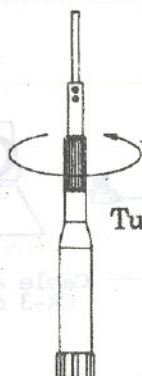
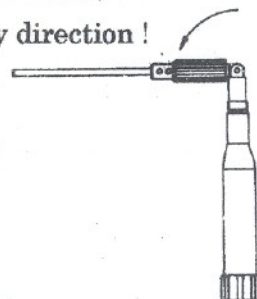


**UHV-6****Multi Band Mobile Antenna for  
HF(7, 14, 21, 28 MHz), 50, 146 and 446MHz****Features :**

- ★ Developed for transmitting 50, 146 & 446MHz basically. With additional 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 50/146/446MHz, however, will keep always best condition, irrespective of any additional use of extra coils and elements.
- ★ Combination 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****Turn !****Lift-up !****Fold down,  
Any direction !****Specifications :**

Frequencies	:	7, 14(option), 21, 28, 50, 146 & 446MHz
Gain	:	HF-50MHz / 0dB, 146 / 2.15dBi, 446 / 5.5dBi
V. SWR	:	Less than 1: 1.6 (50 / 146 / 446MHz 1 : 1.5)
Impedance	:	50 $\Omega$
Max. Power	:	120W / SSB (50+146MHz-200W /SSB)
Weight	:	460(min.) - 580g(max.)
Length	:	1.9m (max. at 7MHz operation)

**Frequency Adjustment :**

- ★ 50 / 146 / 446MHz. Basically, no adjustment is required.

1) In case of 50 / 146MHz, finer freq. control can be done, adjusting length of Element. Please unfasten the Ele. Fix Screw.

- 2) HF-bands- Antenna length is shorted at each loading coils. Freq. 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.

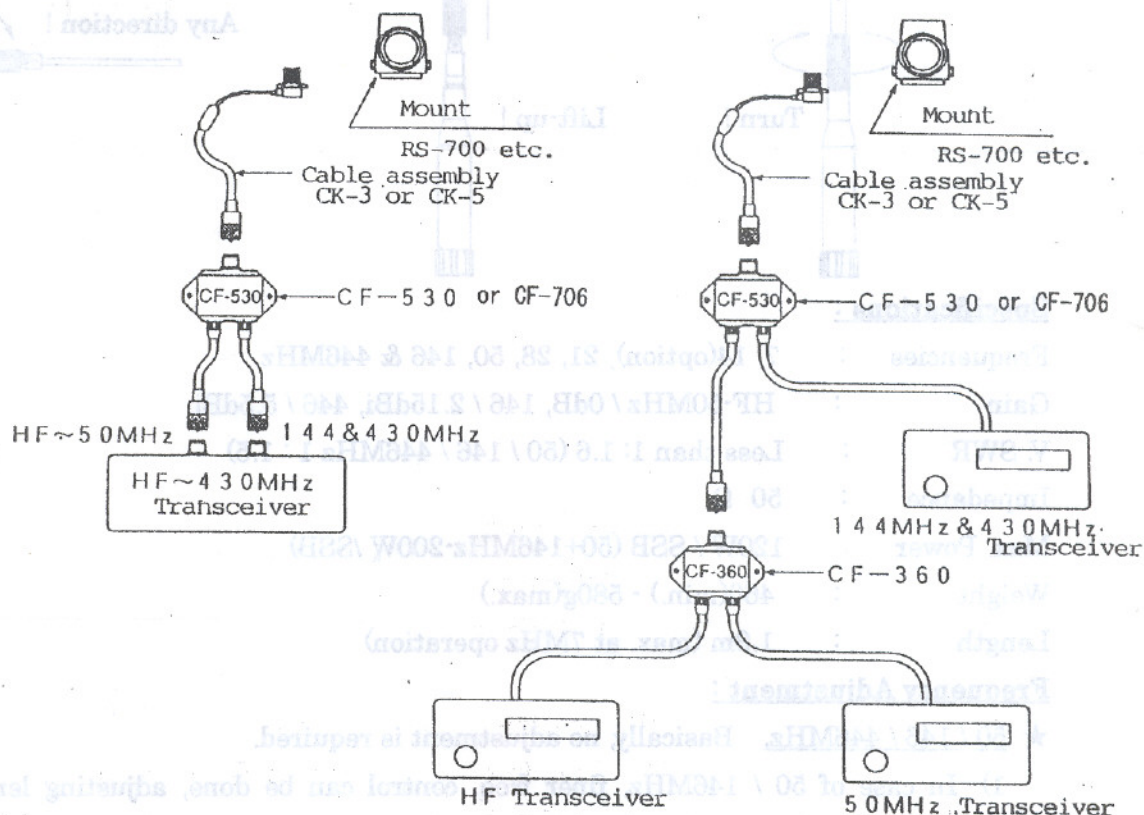
**Frequency Shift by each 1cm are :**

7MHz.....0.042MHz	21MHz.....0.35MHz
14MHz.....0.25MHz	28MHz.....0.5MHz

**Note & Remarks :**

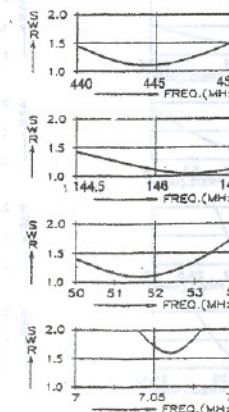
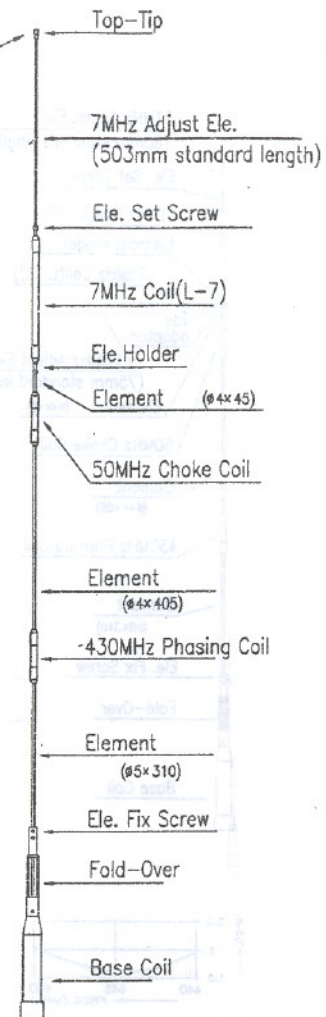
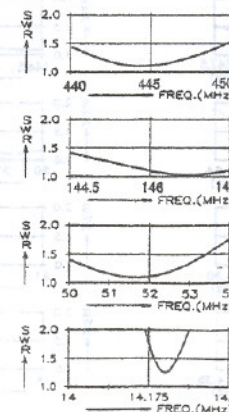
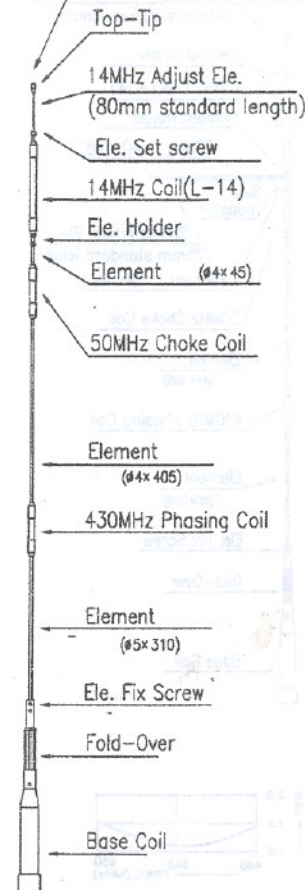
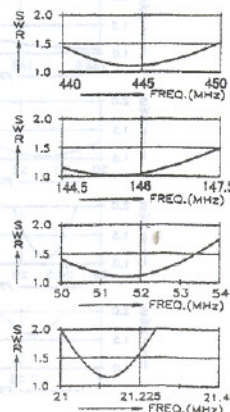
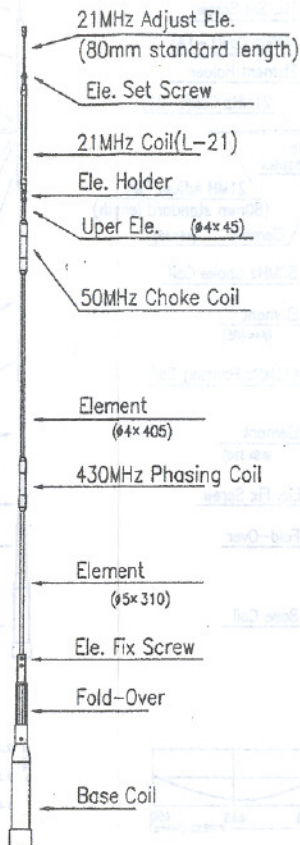
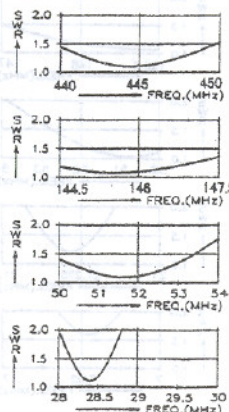
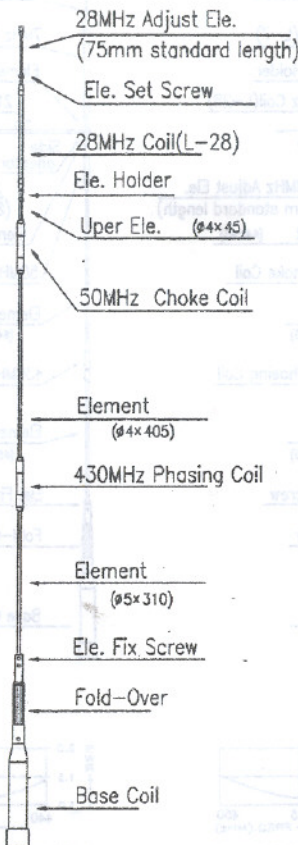
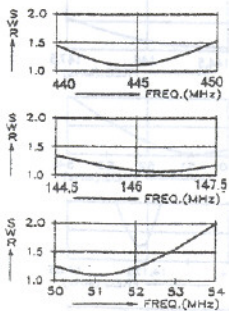
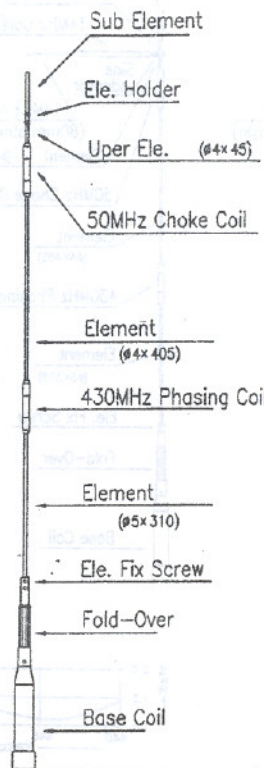
1. Please read through this Operation Manual initially, before assembling start, and find out the desired Frequency Combination.
2. model UHV-6 includes many components. Before driving start, please confirm tight fastening of each Set Screws.

**★Wiring Examples with Mount, Duplexers CF-530 or CF-706, CF360**

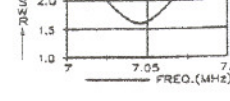
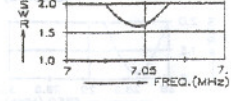
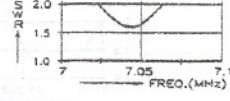
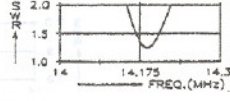
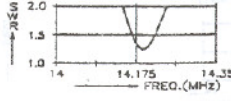
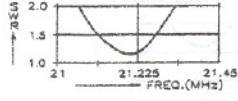
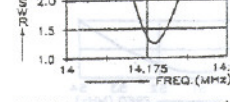
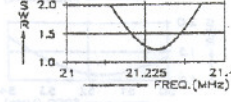
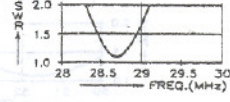
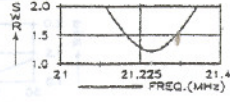
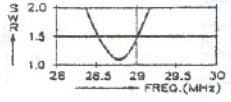
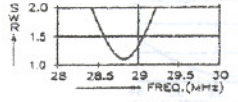
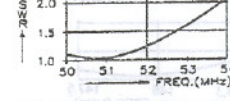
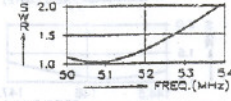
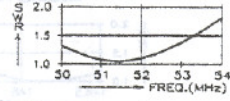
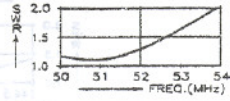
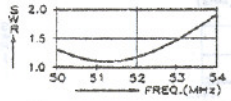
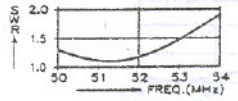
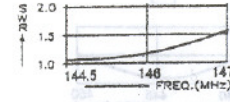
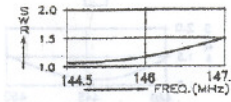
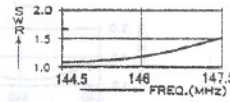
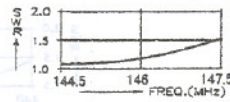
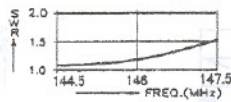
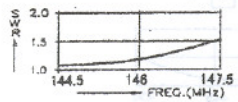
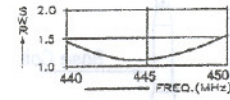
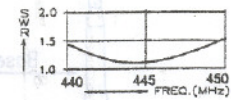
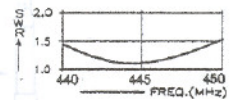
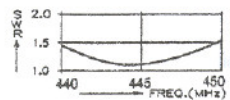
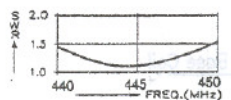
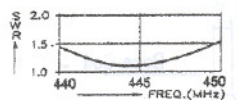
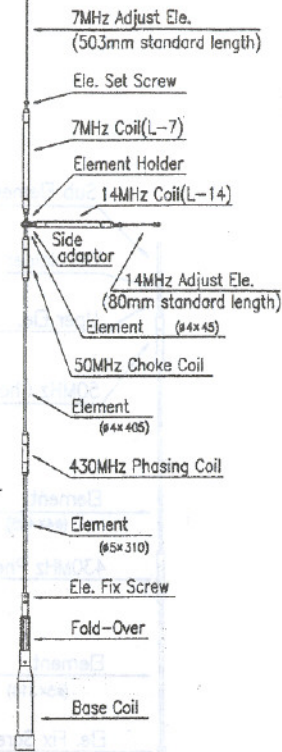
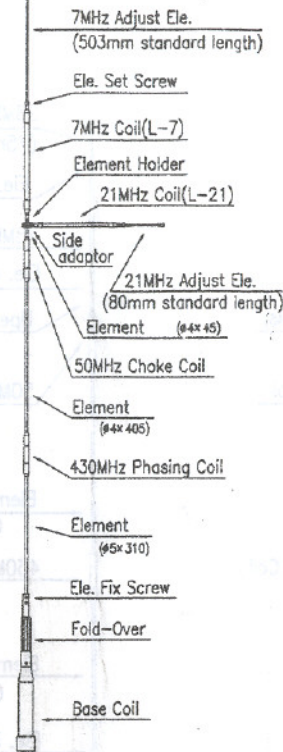
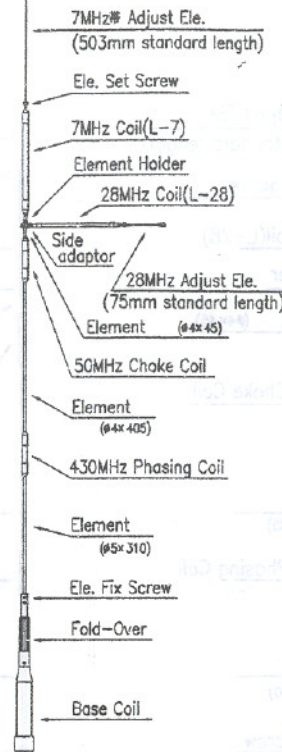
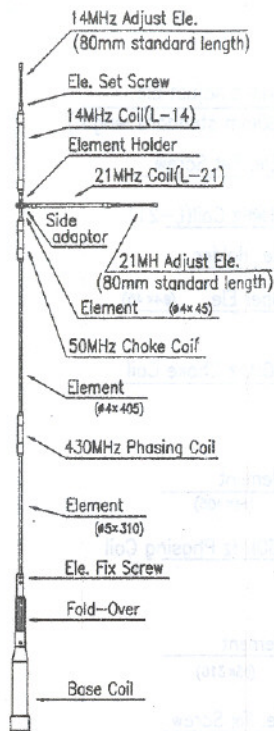
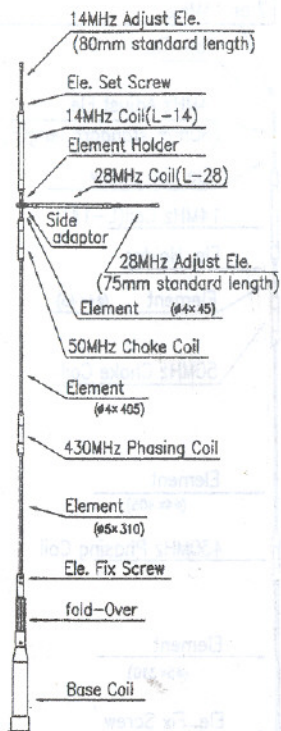
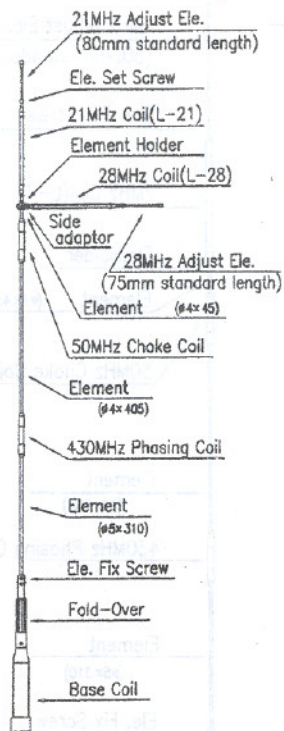




Please do not remove the top-tip.  
If removed, Corona electric discharge  
will arise from 25-30W operation at  
7 or 14MHz









## "UHV-6"

40M – 70cm Mobile Antenna

The UHV-6 accomplishes several important functions.

**Inexpensive (\$159.95 list price) Includes  
40/15/10/6/2M/70cm bands**

**Easy to mount** (Standard trunk lip / hatch-back / SUV-Van rear door / pipe CLAMP MOUNTS)

**Easily configured to individual needs** (3, 4, 5, 6, or 7 bands, your choice)

**Fold-over hinge included**

**GAIN** on 2M and 70cm

**OPTIONAL COILS** L-14 (20m) L-18 (17m)

The UHV-6 is Comet's 3<sup>rd</sup> generation HF –UHF mobile antenna, and it's the best! Without the HF coils attached, the UHV-6 is a tribander for 6M/2M/70cm. The top of the element has a threaded socket for attaching the HF coil of your choice, now it's a quad-band antenna!

**Want more HF bands available?**

Simply add an additional 1, 2, or 3 coils horizontally using the threaded sockets in the ring around the top of the element! Each HF coil tunes independently to the part of the band you want to operate.

**2:1 VSWR bandwidth is approximately:**

<b>40M</b>	<b>23kHz</b>
<b>20M</b>	<b>55kHz</b>
<b>17M</b>	<b>75kHz</b>
<b>15M</b>	<b>100kHz</b>

**10M 400kHz** Unlike the screwdriver antennas that are expensive and difficult to mount, the UHV-6 is easy. If you





have an existing antenna on your vehicle that has a sturdy mount with an SO-239 connector, simply take it off and put the UHV-6 on! You're on the air! AND, the UHV-6 is a  $\frac{1}{2}$  wave on 2M: 2.15dBi gain over a  $\frac{1}{4}$  wave and it's 2  $\frac{5}{8}$  waves in phase on 70cm: 5.5dBi gain.

The fold-over hinge on the UHV-6 is a strong hinge protected by a threaded collar. Unscrew the collar and lift it up to expose the hinge. very convenient when entering garages, parking structures, drive-thru's, etc...

### **MOUNTING OPTIONS FOR NO HOLES INSTALLATIONS:**

**Standard sedan/passenger car:**

**GR-5M** Heavy-duty stainless steel trunk lip mount w/16'9" of coax. The first 18" of coax leaving the mount is RG-188 type. It goes through the trunk's weather seal without causing a water leak or shorting the coax causing an impedance mismatch. The balance is double shielded, low loss coax with a soldered on gold plated PL-259.

Hatch-back doors, SUV rear doors, quad-cab trucks etc... See the picture of the UHV-6 mounted to the rear door of a Dodge quad-cab.

**RS-730** Adjustable black anodized mount. It adjusts to vertical from any angle. Simply slide it over a lip  $\frac{1}{4}$ " or less thick and tighten the 4 large set screws on the bottom side. This grounds the mount and holds it securely in place.

**CK-3M5** Deluxe cable assembly. The first 18" of coax leaving the mount is RG-188 style coax. This  $\frac{1}{8}$ " diameter coax gets through the weather seal without causing a water leak, wind noise or coax damage. Total length: 16'9" (5 meters)

**CK-3M** Same deluxe cable assembly, but total length is 9'9" (3 meters)

**NOTE:** If your using the UHV-6 with the FT-100, IC-706 etc... The COMET duplexer model **CF-706A** will combine both antenna outputs into a single connector.

**YAESU ATAS-100 Antenna**

The above mounting options and CF-706A duplexer work extremely well with the ATAS-100 antenna.

Overall the Comet UHV-6 is a great antenna. The perfect match for the latest multi-band HF-70cm rigs!

[Back to Main Page](#)





**Comet UHV-6**  
MultiBand  
Mobile Antenna

Order #4289

List Price: \$169.95

Your Price: **\$149.95**

**Order**

[← back](#)



The **Comet UHV-6** is Comet's 3rd generation HF - UHF mobile antenna and it's the best! Without the HF coils attached, the UHV-6 is a tribander for 6M/2M/70cm. The top of the element has a threaded socket for attaching either the 40M, 15M or 10M coil that comes with it making the UHV-6 a quad-band antenna! Want more HF bands?? Simply add an additional 1 or 2 HF coils horizontally using the threaded sockets in the ring around the top of the element! Purchase the optional elements for 80 meters (L-3.5), 20 meters (L-14) or 17 meters (L-18) as shown below. Each HF coil tunes independently to the part of the band you want to operate.

2:1 VSWR bandwidth is approximately:

40M 23 kHz

20M 55 kHz

17M 75 kHz

15M 100 kHz

10M 400 kHz

Unlike the screwdriver antennas that are expensive and difficult to mount, the UHV-6 is easy. If you have an existing antenna on your vehicle that has a sturdy mount with an SO-239 connector, simply take it off and put the UHV-6 on! You are on the air! AND, the UHV-6 is a 1/2 wave on 2M: 2.15dBi gain over a 1/4 wave and it's 2 5/8 waves in phase on 70cm: 5.5dBi gain.

The fold-over hinge on the UHV-6 is a strong hinge protected by a threaded collar. Unscrew the collar and lift it up to expose the hinge, very convenient when entering garages, parking structures, drive-thru's, etc.

Order #	Model	Description	List Price	Your Price	Order
#1599	<b>L- 3.5</b>	80 Meter Coil Element	\$34.95	<b>\$32.95</b>	<b>Order</b>
✓ #3332	<b>L-14</b>	20 Meter Coil Element	\$29.95	<b>\$28.95</b>	<b>Order</b>
✓ #4350	<b>L-18</b>	17 Meter Coil Element	\$29.95	<b>\$28.95</b>	<b>Order</b>

Send e-mail to [dx@universal-radio.com](mailto:dx@universal-radio.com)