

# Operation Manual

## Model H-722

### 3-band Trap Di-Pole Antenna

#### Features:

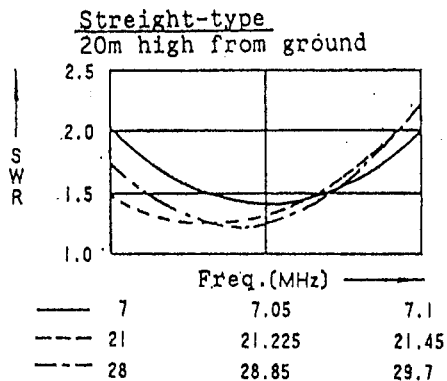
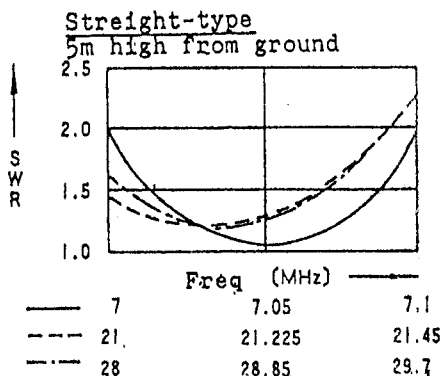
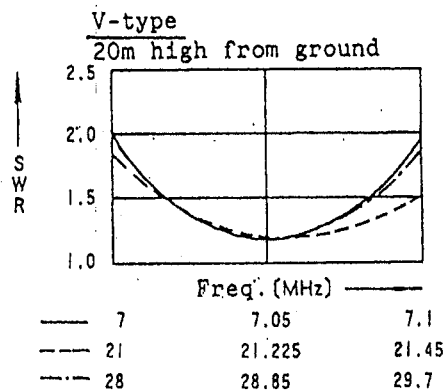
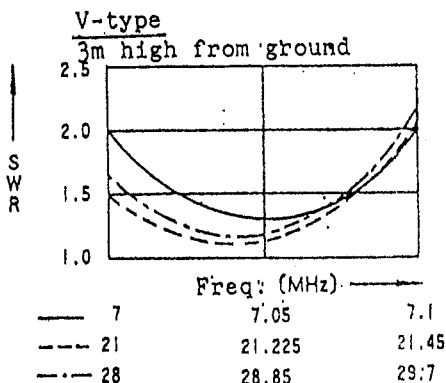
- 1) Newly designed Non-Space, Wide Band di-pole antenna.
- 2) When used as V-Dipole, ready On Air from low location of 3m high from the ground.
- 3) CBL-2000, high power 2KW/SSB balun, is included as the standard accessory.
- 4) Specially developed High Power Trap Coils assure high power QSO constantly.

#### Specifications:

Frequency & Gain	: 7MHz/0dB, 21MHz/8.2dB, 28MHz/8.5dB
Impedance	: 50 ohm
V. SWR	: Less than 1 : 1.5
Max in-put Power	: 1KW / SSB
Connector	: M-J (SO239) type
Max Wind Velocity	: 35m / sec.
Length	: 9.8m (Streight type) 6.9m (V-type)
Weight	: 5.2 kgs.
Suitable Pole dia.	: 38 - 62mm $\phi$

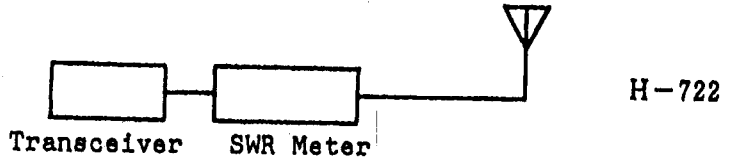
Note : CBL-2000 (2kw/SSB balun) is included.

#### Frequency Characters:



Frequency Adjustment:

- 1) Firstly, please connect SWR Meter between H-722 and transceiver, as shown below;



- 2) Both 21 and 28MHz are for wide bands, then, No Frequency adjustment is necessary.
- 3) Antenna location may give great influences on the frequency of 7MHz band. Then, adjust the length of 7MHz Elements at the both ends, watching your SWR meter.

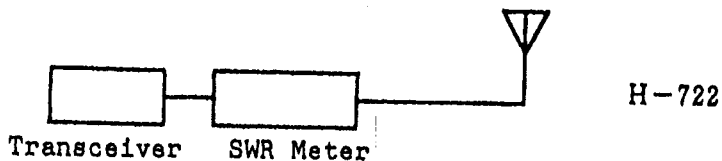
Element sliding of 1cm may change the frequency 15KHz.

Remarks :

- 1) Drain Holes on the Trap Coils must be assembled to face downward, to prevent water inflow.
- 2) Kindly proceed necessary Water Proof works on the cable-joint section using Self-Melting Tape and/or vinyl tapes.

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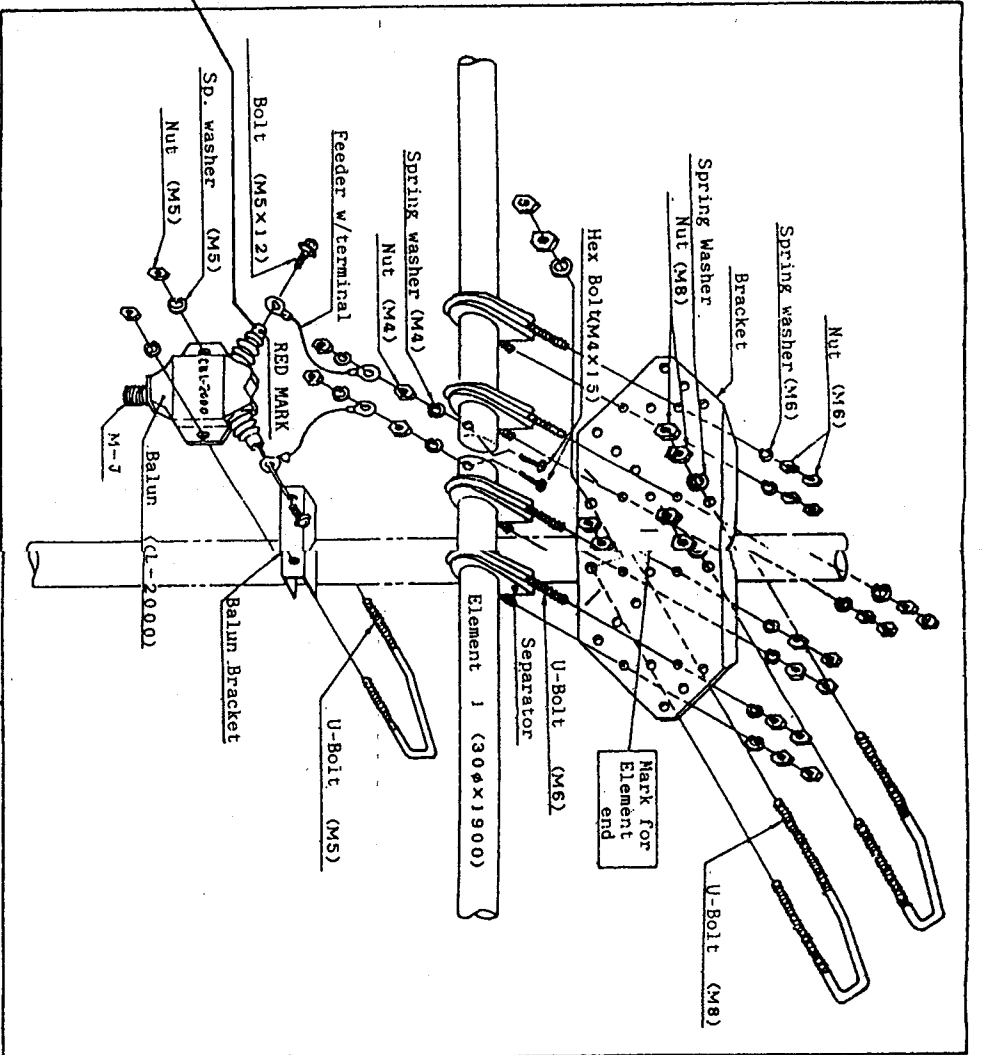
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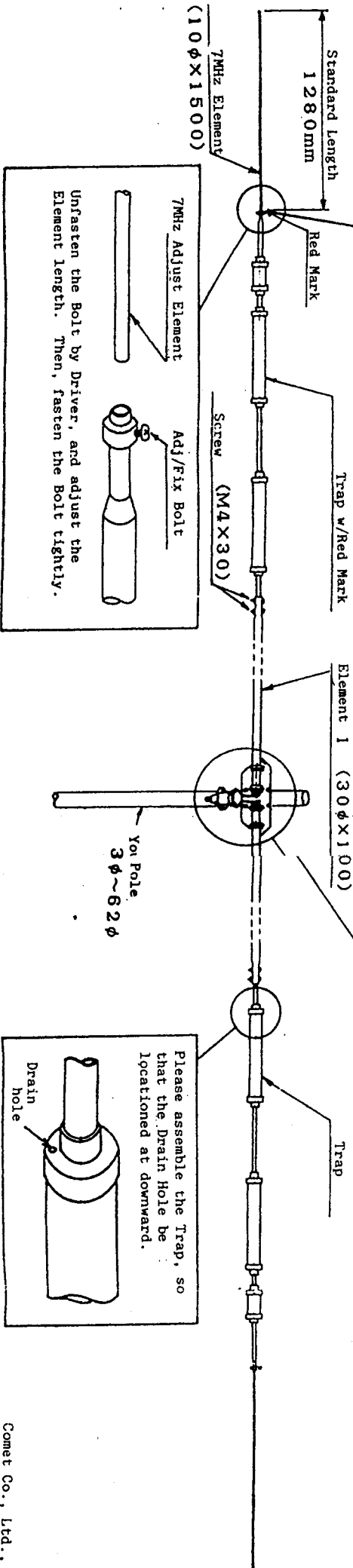
- 1) Drain Holes on the Trap Coils must to assembled to face downward, to prevent water inflow.
- 2) Kindly proceed necessary Water Proof works on the cable-joint section etc., using Self-Melting Tape and/or vinyl tapes.





★ Parts List

Nos.	Parts Name	Qty
1	Element 1 (30φ x 1900)	2
2-1	Trap	1
2-2	Trap (w/Red Mark)	1
3	7MHz Element (10φ x 1500)	2
4-1	Mount Bracket	1
4-2	Separator	4
4-3	U-Bolt (M6)	4
4-4	Spring Washer (M6)	8
4-5	Nut (M6)	16
4-6	U-Bolt (M8)	2
4-7	Spring Washer (M8)	4
4-8	Nut (M8)	8
5	Screw (M4 x 30)	4
6	Hex. Bol (M4 x 15)	2
7	Spring washer (M4)	8
8	Nut (M4)	8
9-1	Balun (CBL-2000)	1
9-2	Balun Bracket	1
9-3	U-Bolt (M5)	1
9-4	Spring washer (M5)	2
9-5	Nut (M5)	2
9-6	Bolt (M5 x 12)	2
9-7	Feeder with terminal	2



**Caution 1**  
Red Marks (on Balun & Trap)  
must be located on same side!

7MHz Adjust Element

Adj./Fix Bolt

Unfasten the Bolt by Driver, and adjust the Element Length. Then, fasten the Bolt tightly.

Please assemble the Trap, so that the Drain Hole be located at downward.