DIAMOND ANTENNA

HVC14CX

This optional element is designed for amateur radio antenna for HV7CX only. Don't use it with others.
* For further details, please refer to the operation instructions of HV7CX.

Operation Instructions

To use this antenna properly, read this instruction thoroughly before using the antenna. Keep this manual carefully at hand for later use. This antenna is designed for amateur radio communications use only. Do not transmit out of specified frequency bands.

Note for using the antenna

To avoid inviting accidents, follow the following notices.

1) Nuts and screws can be loosened by vibration during driving. Be sure to check those fastening devices from time to time and refasten if necessary.

2) Strong impact can cause the antenna to brake and may invite accidents by falling the element. It is recommended to drive away from those obstacles such as branches.

3) Strong vibrations caused by diesel engines may damage the antenna. It is recommended to install the antenna at the location where has least vibrations as possible.

4) Do not touch the antenna during transmission.
Touching the antenna during transmission may cause to electrify.

5) Do not drive a car with the antenna tilted. Diving the car with the antenna tilted may cause serious accidents.

6) When the antenna is installed, be sure to take into account those things such as local traffic regulations and physical length of the car, and especially the antenna has to be installed at the location where is not easily reachable by other people.

7) Adjust the antenna thoroughly on operating frequencies before operation. Using unadjusted antenna may cause to damage transceiver.

8) If thunder seems to rumble in the vicinity, do not touch the antenna and coaxial cable to avoid electrocuting by lightning.

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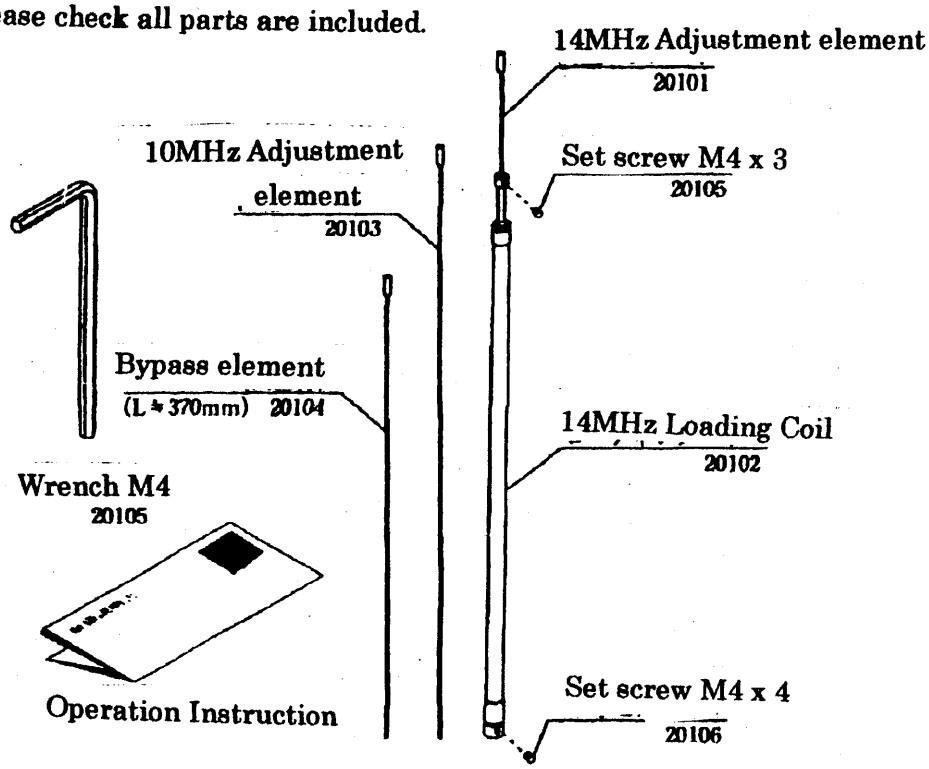
Parts Construction

Please check all parts are included.



How to adjust.

Adjustment is done by the adjustment length loading coil. For further details, please refer to the operation instructions of HV7CX.

Frequency Adjustment (Per 1cm)

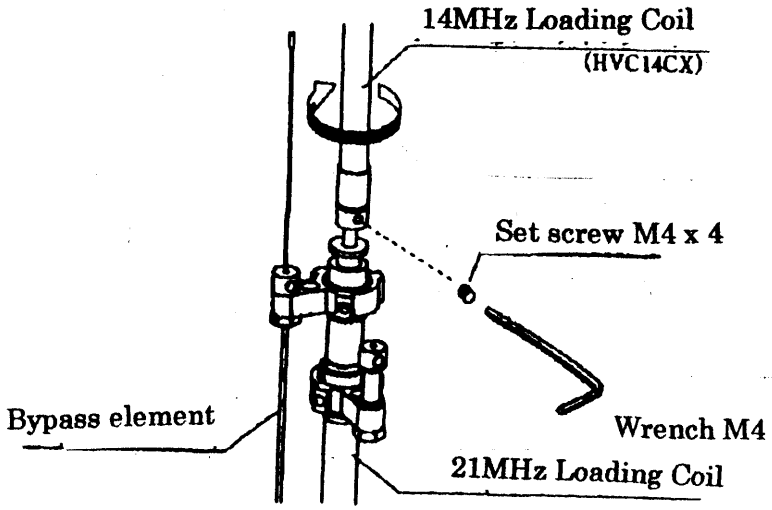
10MHz → about 50kHz 14MHz → about 190kHz

Specification

VSWR: Less than 2.0
Max Power rating: 120W (SSB)

How to Assemble.

Attention!
Do not hold Loading Coil tightly when screwing. Coil may be damaged.



① Remove the 7MHz Loading Coil.
② Screw HVC14CX into the same place which 7MHz Loading coil was removed. Fix it with set screw M4. Use adjustment element of designed frequency. 10 MHz L≒470mm 14 MHz ≒80mmre
③ Remove the attached bypass element and change off the included bypass element. Fix it. (Don't stick out the element from the element holder.)

- When changing 7MHz, loading coil, you do not have to change bypass element again.