ASSEMBLY INSTRUCTIONS



Your new MaCo 103HV MaxiBeam is a new innovation in base station beam design which enables the vertical and horizontal to be assembled for either 10 or 11 meters.

For example, using the charts supplied, you can assembled the horizontal for 11 meters and the vertical for 10 meters or reverse this or assemble both the same. It does not matter. The vertical and the horizontal do not affect each other.

The only difference between the HV Beams and the instructions included is that the HV Beam has both sets of elements on the same boom.

Please add the following instructions to those supplied:

Mount the first reflector with the U-Bolt facing the rear. Mount its mate with the U-Bolt facing the front of the beam. This is so the vertical and horizontal elements will be close together.

Do the same with all elements and measure the spacing only once per set of elements.

That's it. Have at it!

If you have any questions or need assistance please call. We're here to help!



www.macoantennas.net

(815) 244-3500

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MACO M103HV

PACKING LIST

<u>PART</u>	<u>QTY</u>	<u>O.D.</u>	<u>SIZE</u>	LENGTH	<u>DESCRIPTION</u>	CHECKLIST
T59P T28 T11P T04 T01 P01P G01P Z08P S42	1 1 6 4 8 1 2 4 2	1-1/2" 1-1/2" 5/8" ½" ½"	.050 .050 .050 .050 .050 .050	72" 72" 72" 80 ½" 72" 5"	ALUM TUBING SWAGED 1 END ALUM TUBING ALUM TBNG SLTD BOTH ENDS ALUM TUBING ALUM TUBING PLATE 1-1/2" BOOM TO 1-1/2" M GAMMA MATCH GAMMA STRAPS F/COAX CONN FEMALE COAX CONN W/MOUN	AST
U02 S02 N03	10 10 21		1-1/2" 1-1/2" 5/16"	HARDWA	ARE BAG #1 PLATED U-BOLTS PLATED SADDLES HEX NUTS	_
HARDWARE BAG #2						
BE1P W58P S21 PL2 N11 Z02P N12 PL4 PL4R	6 12 22 12 22 4 8 1	1-1/2" 5/8"	10-24 .437 10-24 1/2" #10 1-1/2" 1-1/2"	1/2"	BOOM TO ELEMENT MOUNT EXTRUDED ALUM CLAMPS MACHINE SCREWS PLASTIC CAP - BLACK SQUARE NUTS GAMMA STRAPS LOCKWASHER PLASTIC CAP - BLACK PLASTIC CAP - RED	
	1 1 1				INSTRUCTION SHEET WARRANTY SHEET/SAFETY SH TIP SHEET	HEET

WHEN ORDERING PARTS, ALWAYS GIVE PART NUMBER AND DESCRIPTION.

Please note: In an effort to keep the price on Maco Antennas down, we have decided not to clean up all the burrs and rough edges on the parts. We recommend that you deburr and clean up each part with files, sandpaper, etc. so that they go together easily. We are aware this needs to be done but have elected not to do it to save you the money we would have to add to the price of the kit for this service.

Rev: 05/09



Caution:

Take Care To Avoid Any Contact With Overhead Powerlines When Raising, Installing, or Repairing Your Antenna, Tower, or Rotor. Death Will Occur!



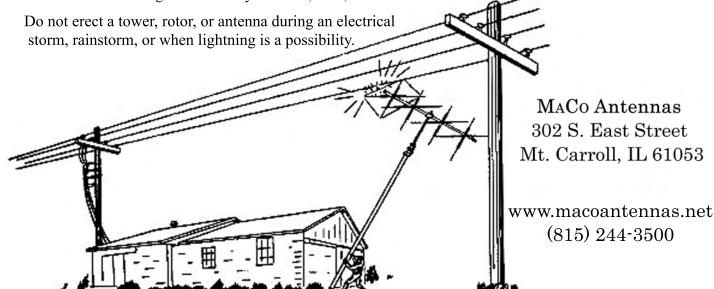
Installing and rigging towers, masts and antennas require specialized skills and experience. Information supplied by MaCo assumes that all products will be installed by personnel having these skills and have installed similar products before. No one should attempt to install towers or masts without these knowledgeable skills.

MaCo assumes no liability if faulty or dangerous installation practices are used. There are available, trained and experienced personnel to assist in installation, maintenance, or dissassembly. Contact your local installer if consultation or assistance is required.

All tower and antenna installations should be throughly inspected at least twice a year by qualified, experienced, and trained personnel to insure proper performance and safety standards.

Electrical Warning

An additional warning precaution is given to be careful of surrounding high voltage power wires and other electrical hazards duing installtion of your tower, rotor, or antenna.



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