

ASSEMBLY INSTRUCTIONS



Your new MaCo 108HV 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.

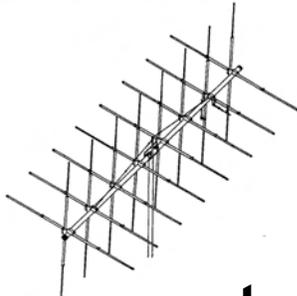
Please add the following instructions to those supplied:

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

MACo Antennas, A Division of Charles Electronics, LLC
302 S. East Street, Mt. Carroll, IL 61053

MACO M108HV

PACKING LIST

<u>PART</u>	<u>QTY</u>	<u>OD</u>	<u>SIZE</u>	<u>LENGTH</u>	<u>DESCRIPTION</u>	<u>CHECKLIST</u>
T01	28	1/2"	.050"	72"	ALUMINUM TUBING	_____
T04	4	1/2"	.050"	80.5"	ALUMINUM TUBING	_____
T11P	16	5/8"	.050"	72"	ALUM. TUBING SLOTTED BOTH ENDS	_____
T36	1	2.875	.125	48"	ALUM TUBING	_____
T39P	2	3"	.060	20'	ALUM TUBING	_____
PO4P	1		1/4"x6"	18"	PLATE 3" BOOM TO 2" MAST	_____
V02P	1		1"x1"	36"	VERTICAL GUY SUPPORT W/3 HOLES	_____
WD3P	1		6/18	50'	STEEL GUY CABLE	_____
G01P	2				GAMMA MATCH	_____
Z08P	4				GAMMA STRAPS W/COAX CONNECTORS	_____
S42	2				FEMALE COAX CONN. W/MOUNTING NUT	_____
<u>HARDWARE BAG #1</u>						
S01	5		2"		PLATED SADDLES	_____
S03	21		3"		PLATED SADDLES	_____
<u>HARDWARE BAG</u>						
U01	5		2"		PLATED U-BOLTS	_____
U03	21		3"		PLATED U-BOLTS	_____
N03	53		5/16"		LOCK NUTS	_____
<u>HARDWARE BAG #3</u>						
BE3P	16		3"		BOOM TO ELEMENT MOUNTS	_____
<u>HARDWARE BAG #4</u>						
EG2	6				EGG INSULATORS	_____
W58P	32		5/8"		EXTRUDED ALUMINUM CLAMPS	_____
S21	42		10-24	1/2"	MACHINE SCREWS	_____
N11	42		10-24		SQUARE NUTS	_____
N12	8		#10		LOCK WASHERS	_____
S28	1	1/2"	3 1/2"		HEX BOLT	_____
N15	1	1/2"			HEX NUT	_____
N16	1	1/2"			LOCKWASHER	_____
N17	3	1/2"			FLAT WASHERS	_____
N18	2	5/16"			EYEBOLTS-W 2 NUTS EACH	_____
PL2	32		.437		PLASTIC CAPS - BLACK	_____
PL6	1		3"		PLASTIC CAP - BLACK	_____
PL6R	1		3"		PLASTIC CAP - RED	_____
Z02	4				GAMMA STRAPS	_____
	1				TIP SHEET	_____
	1				WARRANTY SHEET	_____
	1				INSTRUCTIONS	_____

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.

DANGER

**High Voltage
Overhead**

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 disassembly. Contact your local installer if consultation or assistance is required.

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

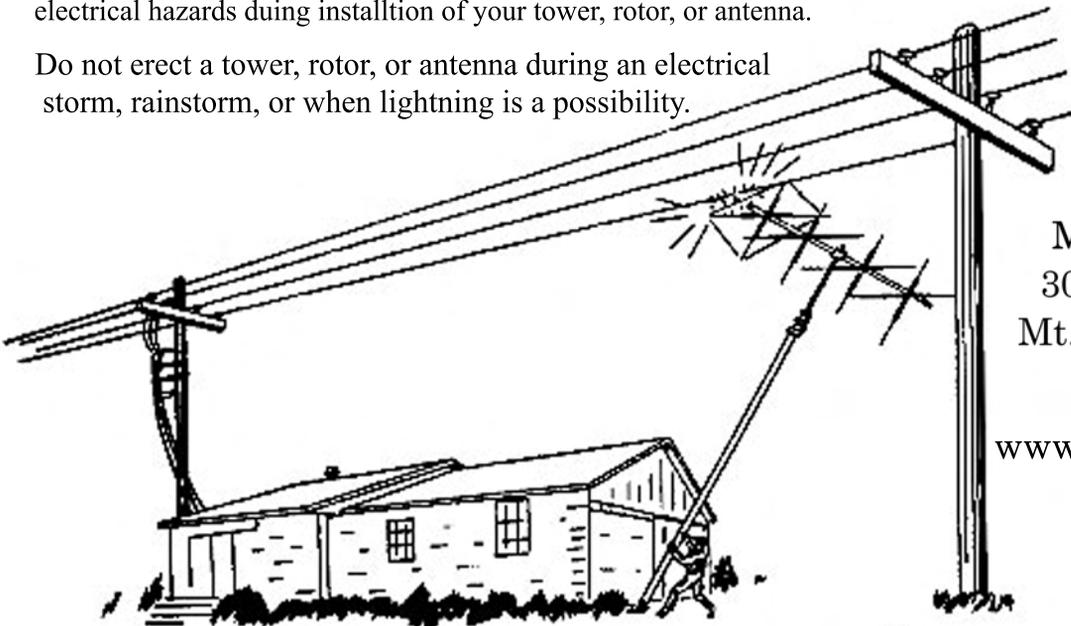
Electrical Warning

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

Do not erect a tower, rotor, or antenna during an electrical storm, rainstorm, or when lightning is a possibility.



**Danger of
Death**



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