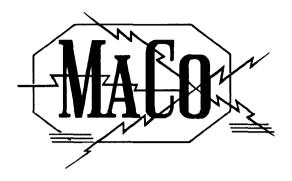
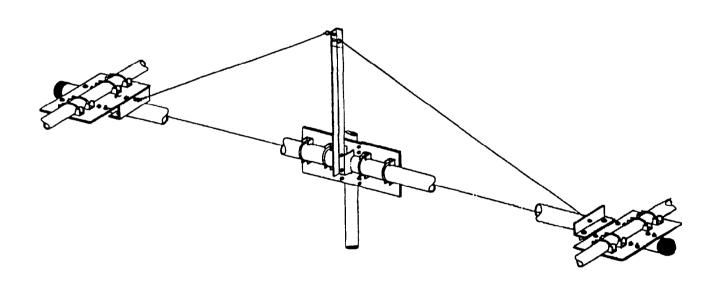
ASSEMBLY INSTRUCTIONS



VQ3 Stacking Kit



MacoAntennas, a Division on Charles Electronics, LLC 302 S. East St.
Mt. Carroll, IL 61053
815-244-3500

VQ3 STACK KIT PACKING LIST

PART	QTY	<u>O.D.</u>	SIZE	<u>LENGTH</u>	DESCRIPTION	CHECKLIST
T21 T53 T61 V01 WD2 P03 WH2HDP	2 2 1 1 1 1 1 1	2" 1.845" 1.685" 1"x1" 6/18 1/4" x 6" 18'	.050" 25' 8"	80" 80" 18" 18"	ALUMINUM TUBING ALUMINUM TUBING ALUMINUM TUBING GUY SUPPORT STEEL GUY CABLE ATE 2" STACK BOOM TO 2" MAST CO-PHASING HARNESS T COAX CONNECTOR COAX SEAL	PIPE
U01 S01 N03	12 12 24	VQ3 HARDWARE BAG #1 2" PLATED U-BOLTS 2" PLATED SADDLES 5/16" LOCK NUTS VQ3 HARDWARE BAG #2				
N18 BG2 PL5 EG3 EZ-55 MBSK	4 2 2 6 14 1 1	5/16" 2" 1/8"	4"	EYE-B BOOM PLAST EGG II CABLI INSTR WARR	OLT W(8) N01 I TO GUY MOUNTS IC CAPS – BLACK NSULATORS E CLAMPS UCTION SHEET LANTY SHEET	

WHEN ORDERING PARTS, ALWAYS GIVE PART NUMBER AND DESCRIPTION. YOU CAN ALSO ORDER MACO® PARTS & ACCESSORIES ONLINE AT WWW.ANTENNAPARTSOUTLET.COM

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.

Revised 10/07/2022

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FIGURE 1A

Slide the 1.832" O.D. reinforcing sections completely inside the 2" O.D. boom sections. Slide the 18" coupler section half way into one of the above, then slide the other section over the coupler. Be sure the coupler remains centered during the next step of assembly.

FIGURE 1B

Attach the boom-to-mast plate to the boom with 2" U-bolts and saddles and 5/16" lockwashers and hex nuts. Before fully tightening the U-bolts, reverse another U-bolts at boom center so that it faces away from the plate and mount the guy support as shown.

FIGURE 2A

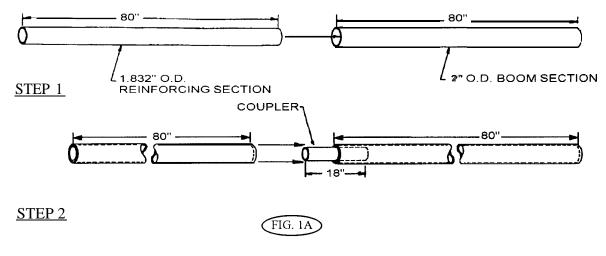
Attach the eyebolts to the guy support as illustrated.

FIGURE 2B

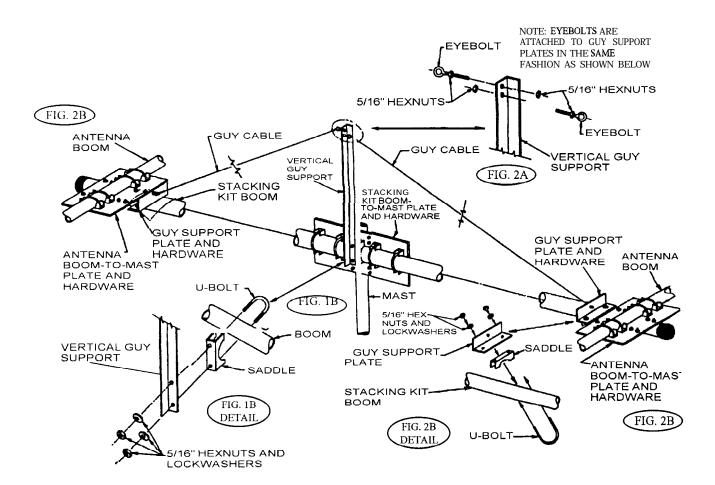
Mount the boom-to-guy supports as shown making certain that the plates are spaced properly. Complete the guy system as shown in the illustration.

It is easier to tune each beam separately in the horizontal position on a pipe 9' above the ground; then assemble, rather than to try tuning when stacked.

Connect the phasing harness coaxial connectors to the gamma matches of your VQ3 Beams. Tape the harness along the booms and down the mast. Any length of RG8 or RG58 may be connected to the phasing harness.



BOOM ASSEMBLY





Caution:

Take Care To Avoid Any Contact With Overhead Power Lines 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

