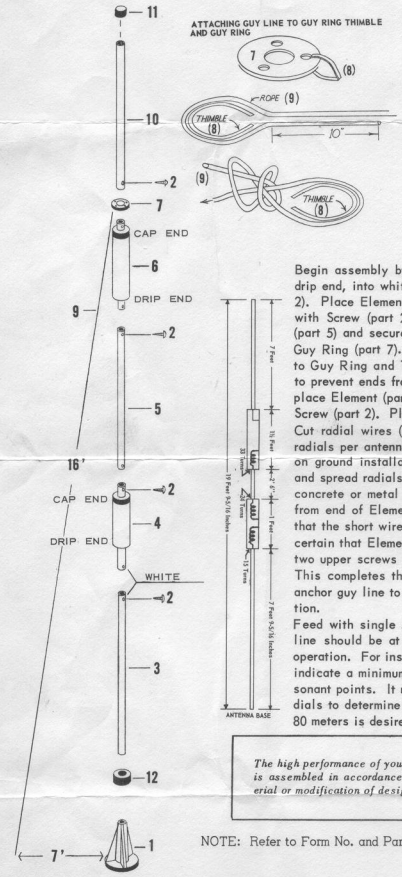
ASSEMBLY INSTRUCTIONS
FOR
MOSLEY TRAP VERTICAL ANTENNA
TRAP MASTER MODEL V-4-6

226345



Parts List

Part	Quantity	Description
1	1	VB-1 Base, complete
2	4	No. 7 Sheet Metal Screws
3	1	7/8" OD Tube, (element)
4	1	Trap Assembly (small)
5	1	7/8" OD Tube, (element)
6	1	Trap Assembly (large)
7	1	Guy Ring
8	3	Guy Ring Thimbles
9	1	50 feet of guy rope
10	1	5/8" OD Tube, (element)
11	1	5/8" ID Cap
12	1	Base Cap

Begin assembly by placing white coded end of small Trap Assembly (part 4), drip end, into white coded end of Element (part 3) and secure with Screw (part 2). Place Element (part 5) over cap end of Trap Assembly (part 4) and secure with Screw (part 2). Place drip end of Trap Assembly (part 6) into Element (part 5) and secure with Screw (part 2). Place Guy Ring Thimbles (part 8) on Guy Ring (part 7). Cut Guy Rope (part 9) into three equal lengths and secure to Guy Ring and Thimbles as illustrated. Apply flame to ends of Guy Line to prevent ends from fraying. Place Guy Ring on end of Element (part 10) and place Element (part 10) into cap end of Trap Assembly (part 6) and secure with Screw (part 2). Place Cap (part 11) on end of Element (part 10).

Cut radial wires (not furnished) to lengths of 33 feet. Use no less than four radials per antenna, but install as many as possible for optimum performance on ground installations. Connect radial wires to ground strap of Base, VB-1 and spread radials in a spoke-like fashion and anchor VB-1 Base to a wooden, concrete or metal base on ground or roof. Place cap (part 12) about one foot from end of Element (part 3). Place Element (part 3) into base, making sure that the short wire extending above the base is on the outside of the tube. Be certain that Element (part 3) is at its maximum depth in the base. Tighten the two upper screws of base. Slide cap (part 12) down and over the top of base. This completes the base water seal. Place guy stakes 7 feet from base and anchor guy line to stakes. The antenna is now assembled and ready for operation.

Feed with single 52 ohm coaxial line, RG-8/U is recommended. The coaxial line should be at least one half wavelength long at the lowest frequency of operation. For installation on roof-tops, the number of radials may vary. Tests indicate a minimum of 5 radials are required to bring the antenna to proper resonant points. It may be necessary to experiment with different numbers of radials to determine the optimum requirement of each location. If operation on 80 meters is desired, order base loading coil Model No. D4-BC.

The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitutions of material or modification of design will materially lessen this performance.

NOTE: Refer to Form No. and Part No. when ordering replacement parts from instruction sheet

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FORM NO. V-4-6A

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