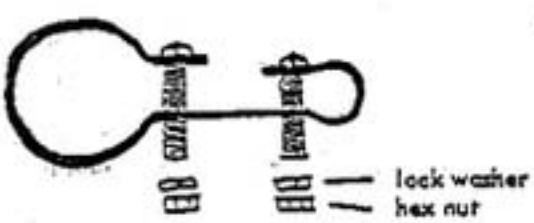
Antenna Butternut model 2MCV-5

increment approximately 1/4 inch it should be possible to arrive at some setting that produces an SWR of no greater than 1.2:1 or so. If such a setting cannot be found, loosen the other end of the gamma clamp and reposition it along the larger tube before attempting another series of capacitance adjustments with the smaller tube. Changes in the position of the gamma clamp along the larger tube should also be made in increments of 1/4 inch or so. It should be remembered that line losses resulting from an SWR of, say, 1.5 are not significantly greater than losses in the same line when it is perfectly matched to the antenna.

PARTS LIST--MODEL 2MCV-5

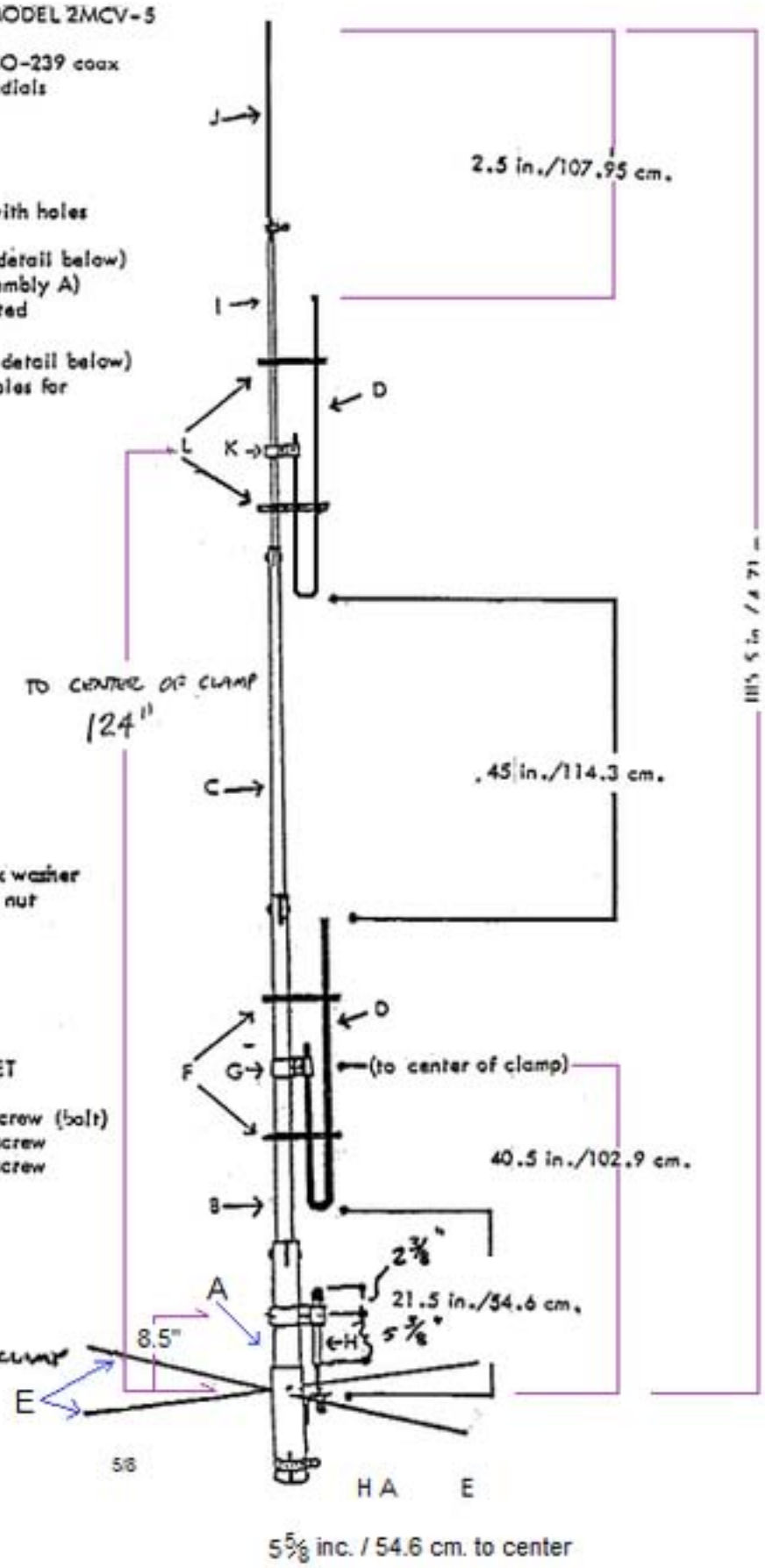
(A) base sub-assembly, including SO-239 coax connector and set-screws for radials
(B) 3/4-inch tube
(C) 5/8-inch tube
(D) Two "Trombone" sections
(E) Two radial rods
(F) Two plastic spacer-insulators with holes for section (B)
(G) Lower "Trombone" clamp (see detail below)
(H) Gamma match (part of sub-assembly A)
(I) 1/2-inch tube, upper end slotted
(J) 3/8-inch tube with end cap
(K) Upper "Trombone" clamp (see detail below)
(L) Two spacer-insulators with holes for section (I)

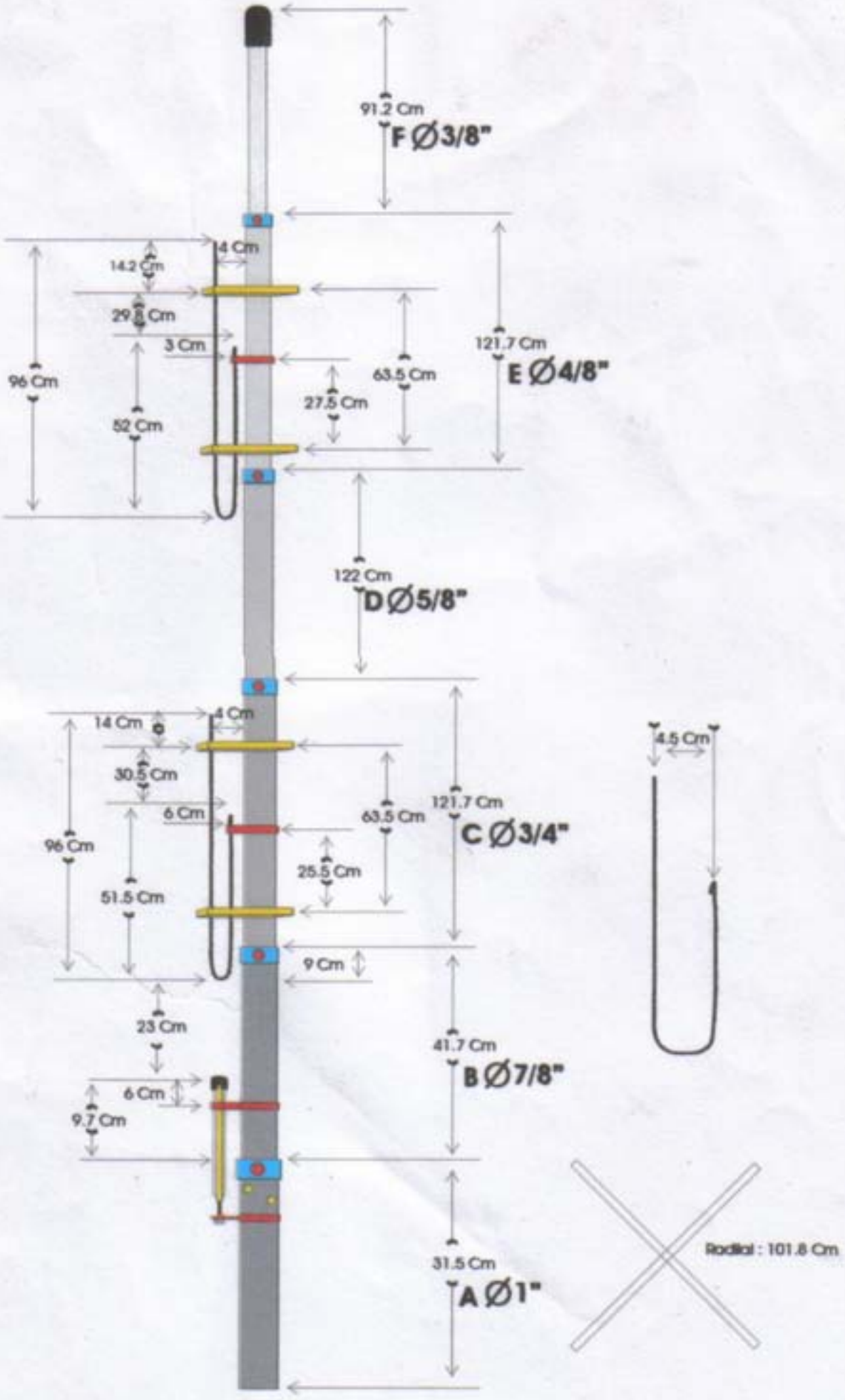
CLAMP DETAIL



HARDWARE PACKET

1--8-32 x 1-1/4 in. machine screw (bolt)
2--8-32 x 1 in. machine screw
4--8-32 x 3/4 in. machine screw
7--#8 lock washers
7--#8 hex nuts
1-- large hose clamp
1-- small hose clamp



SUPER TROMBONE ANTENNA

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