

Antennas
1600 Decker Ave.
San Martin, Ca. 95046
(408) 683-4240

KLM ELECTRONICS

Amplifiers
2140 Jeanie Lane
Gilroy, Ca. 95020
(408) 842-7349

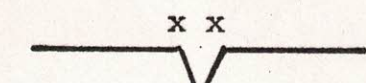

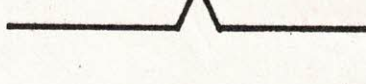
UHF Bandpass Antenna

Assembly Instructions

1. Mount the driven element insulators using 8-32x1 $\frac{3}{4}$ screws.
2. Mount the driven elements and the phasing straps per the dimensioned drawing using 6-32x1 inch screws for the back three driven elements and 6-32x1 $\frac{1}{4}$ inch screws for the front driven element. The back three sets of screws pass through the phasing straps first, then down through the elements, and finally through the insulators. The mounting screws for the front driven element pass through the insulator first, then up through the element and the phasing straps. Use the lockwashers and nuts provided and tighten securely. Place the two #6 flat washers on the front driven element mounting screws and add two more nuts. Do not tighten at this time. No loop is used on this model.
3. Mount the directors and reflector using 8-32x2 inch screws. If you ordered a KLM matching balun with the antenna, mount the balun clip on top of the first director using the director mounting screw. Snap the balun in the clip and attach the leads to the feed points (x x).
4. Attach the antenna mounting U bolt assembly through the holes provided for either horizontal or vertical mounting. For best performance when mounting vertically from the boom center, use a mast of wood or other similar nonconducting material for two feet either side of the antenna mounting point. Non conducting mast is not required when rear mounting the antenna.

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KLM 432-16LB
Dimension sheet

Element spacing in inches		Element length in inches
143.25	_____	10.5
134.0	_____	10.5
122.375	_____	10.75
108.5	_____	10.75
98.0	_____	10.75
86.5	_____	11.0
76.0	_____	10.75
61.75	_____	10.75
50.75	_____	11.0
39.125	_____	10.5
26.125	_____	10.75
15.25	_____	11.5
8.5		4.5
5.5		4.625
2.5		4.75
0.5	_____	12.875

x x Attach KLM 420-470-50 1:1 Balun here

REFLECTOR
NOT USED ON
SOME MODELS

FIGURE "A"
2 PLACES

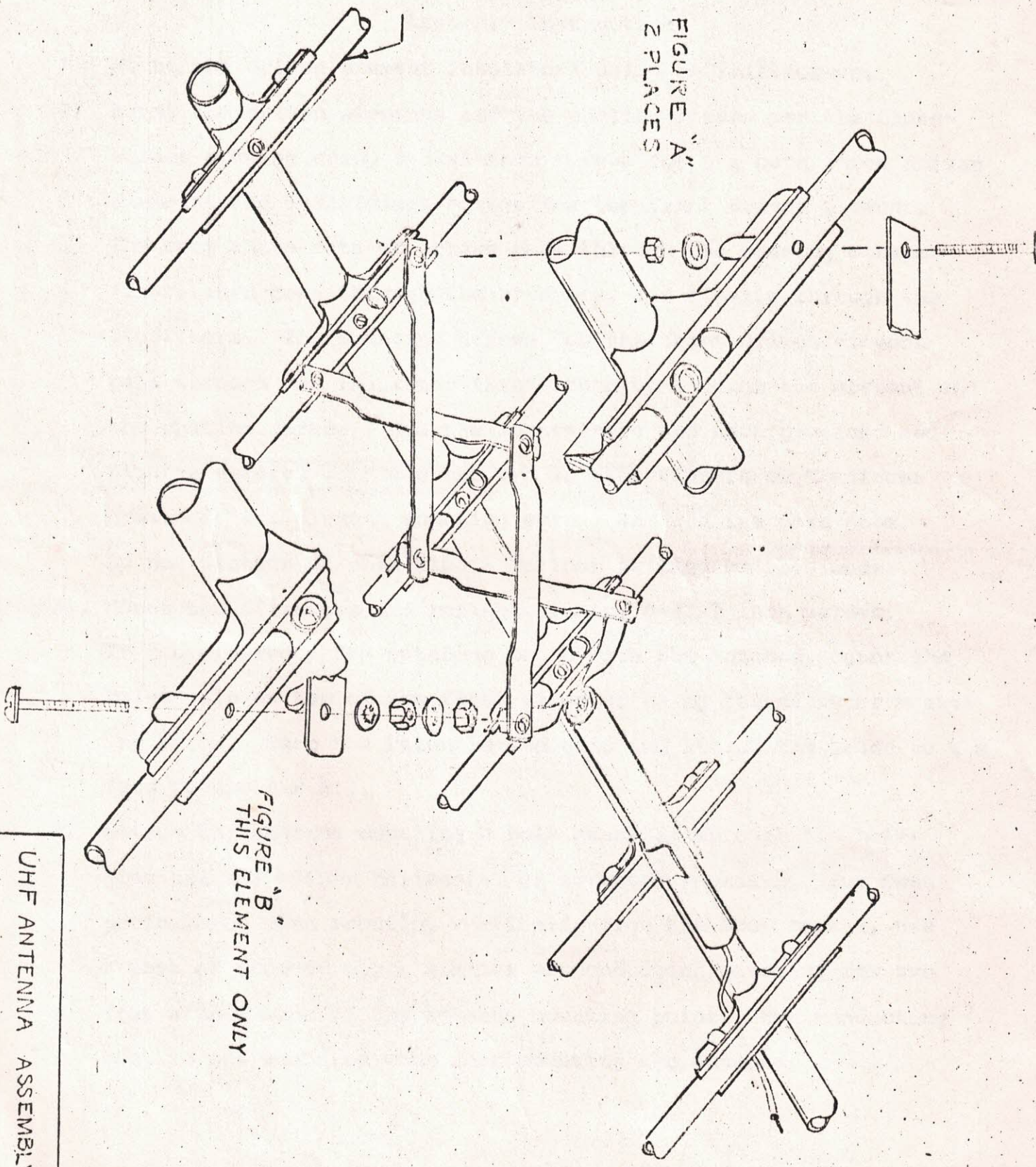


FIGURE "B"
THIS ELEMENT ONLY

UHF ANTENNA ASSEMBLY
KLM ELECTRONICS
SAN MATEO, CALIFORNIA