VHF YAGI
ASSEMBLY INSTRUCTIONS

1. For pre-cut models with no "k" suffix, your elements are coded as follows:

Reflector ..... black dot	Director 2 ..... green dot
Driven ..... red dot	Director 3 ..... yellow dot
Director 1 .... blue dot	Director 4 ..... brown dot

2. For "k" suffix, field tunable models, proceed as follows: Locate the frequency of operation for your antenna model on the element cutting chart for the model Yagi you purchased. Record the lengths required for the various elements.
3. Pick out the 3/8" diameter elements and mark them as to reflector, D1, D2, etc.
4. Cut each element to the length described in the cutting chart measuring from the center mounting hole and trimming at each end.

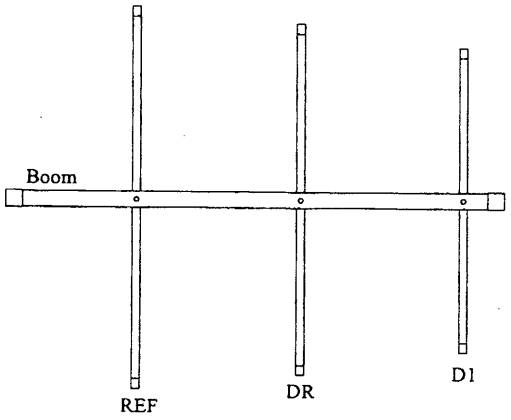
Remember
The element has a center mounting hole.
This hole should be at the midpoint of the cut element.

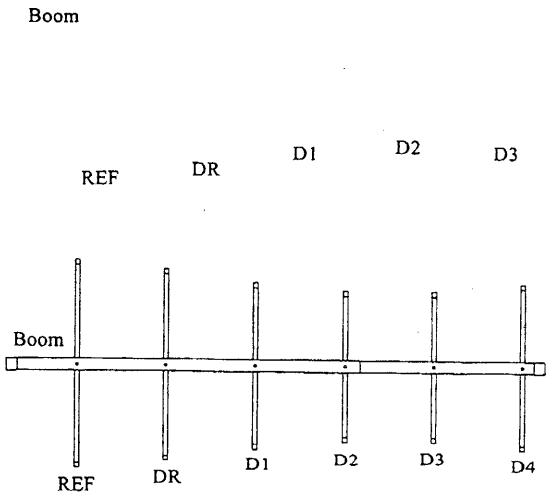
5. Slide the connector block assembly onto the boom and position it between the driven and reflector element holes in the boom.
6. Slide each trimmed element into the proper 3/8" hole in the boom. Align the cross hole in the boom with the threaded mounting hole in the element. Fasten each element using a 10-32 hex bolt, #10 lockwasher and #10 nut.
7. Put the end caps onto the boom and elements.
8. For the six element models, the 1-1/8" boom section holds directors D3 and D4. This section inserts into the 1-1/4" boom and is anchored with element D2 passing through both booms.

NOTE: Insert the end with a 3/8" element hole 1/2" from the end into the 1-1/4" boom.

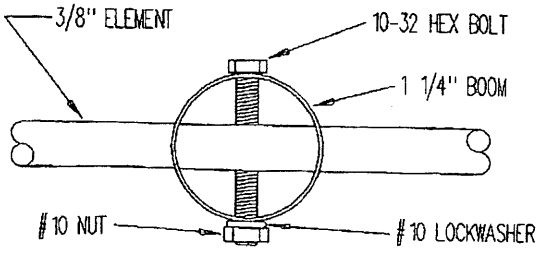
9. Assemble the gamma match feed to the driven element and boom. Before securing, set the capacitor tube dimension A to 1" and clamp dimension B to 3-1/2". This is a starting point for tuning the gamma match to yield zero reflected power. Put the end cap onto the gamma match capacitor tube.
10. **BEFORE INSTALLATION**, set the antenna up in a clear area and insert a VSWR indicator thru-line wattmeter into the line. If the reflected power is too high, the gamma match must be adjusted. First, adjust the gamma tube for a minimum reflected power reading. Next, adjust the shorting clamp for minimum reflected power. In order to reduce the VSWR to 1.0, several runs of adjusting the tube first, shorting clamp second, may have to be made.
11. It is recommended that in vertically polarized installations, the gamma match capacitor tube cap is "up".

NOTE: Except for the MYA-1503FT, the dimensions given are for the total element length. The hole in the element should be the center.





ELEMENT-TO-BOOM ASSEMBLY



EXTREMELY IMPORTANT: SELECT THE CORRECT CUTTING
(Additional charts and assembly instructions on

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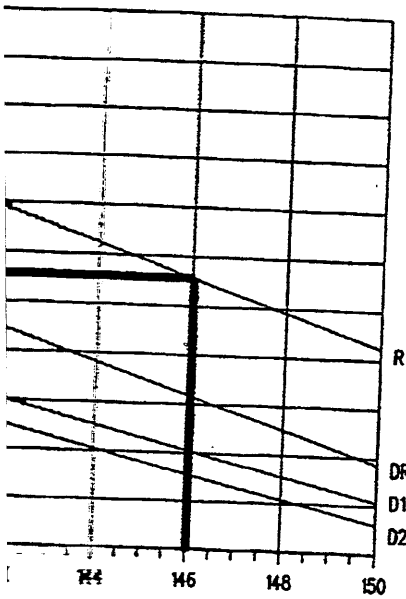
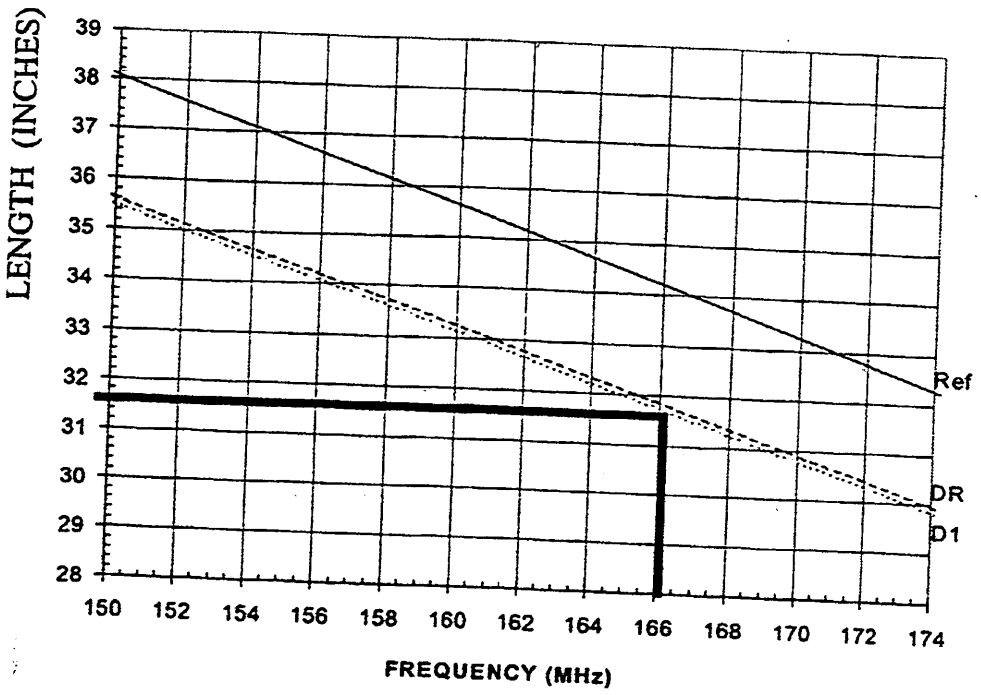


approximate length
MHz is 39.5 inches.

MYA1503K



Example:
The dark line indicates that the approximate length for the D1 tuned to 166 MHz is 31.75 inches.

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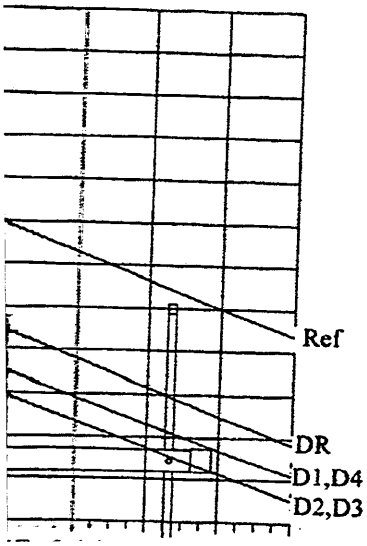

MYA1505

