

PRODUCT WARRANTY

GENERAL WARRANTY. PCTEL, Inc. ("PCTEL") warrants that the PCTEL antenna products furnished herewith shall be free from defects in material and workmanship for a period of two (2) years from the date of shipment by PCTEL under normal use and operation; provided, however, that (a) MPRC and MPRD parabolic reflector antennas, Bluewave series antennas, and PCTEL bulk cable products are similarly warranted for five (5) years from the date of shipment by PCTEL; (b) PCTEL enclosure and coaxial cable assembly products are similarly warranted for one (1) year from the date of shipment by PCTEL; and (c) PCTEL data line surge and PCT series coaxial surge products are similarly warranted for ten (10) years from the date of shipment by PCTEL. PCTEL's sole and exclusive obligation under the foregoing warranty shall be, at its option, to repair or replace any defective product that fails during the warranty period. The expense of removal and reinstallation of any item is not included in this warranty. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE WITH RESPECT TO THE PRODUCTS. Repair or replacement in the manner provided herein shall be the sole and exclusive remedy of the buyer for breach of warranty and shall constitute fulfillment of all liabilities of PCTEL with respect to the quality and performance of the product.

EXCEPTIONS. PCTEL DOES NOT WARRANT THAT THE OPERATION OF THE PRODUCTS IS ERROR-FREE OR THAT OPERATION WILL BE UNINTERRUPTED. IN NO EVENT SHALL PCTEL BE LIABLE FOR: (i) ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES TO THE BUYER OR ANY THIRD PARTY ARISING OUT OF THESE TERMS AND CONDITIONS OR ANY DEFECTIVE PRODUCT WHETHER THE DEFECT IS WARRANTED AGAINST OR NOT, WHETHER THE CLAIM IS BASED UPON CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE, (ii) ANY AMOUNT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT, (iii) SYSTEM PERFORMANCE, INCLUDING COVERAGE, (iv) THE BUYER'S SELECTION OF PRODUCTS FOR THE BUYER'S APPLICATION, AND/OR (iv) FAILURE OF PRODUCTS TO MEET GOVERNMENT OR REGULATORY REQUIREMENTS. The foregoing general warranty shall apply only if: (a) the product has been properly installed and used at all times in accordance, in all material respects, with the applicable product documentation; (b) no modification, alteration or addition has been made to the product by persons other than PCTEL or PCTEL's authorized representatives or otherwise approved by PCTEL in writing; and (c) the product has not been subjected to abuse, misuse, neglect or unusual physical, electrical or electromagnetic stress, or some other type of accident.

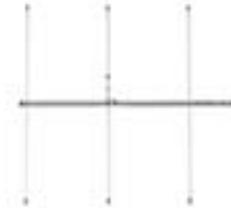
WARRANTY PROCEDURES: In the event of a warranty claim, the buyer must contact PCTEL to arrange for product return. No product will be accepted for replacement or repair without first obtaining a Return Material Authorization (RMA) number from PCTEL Customer Service by telephone to 630.372.6800 or by email to antenna.techsupport@pctel.com. PCTEL reserves the right to inspect all defective products. Products returned without an RMA number will not be processed and will be returned to the buyer freight collect. The warranty period of any repaired or replaced product shall not extend beyond its original term.

Equipment to be repaired or replaced under warranty is to be returned, freight prepaid, to the following address with the assigned RMA number displayed on the box:

PCTEL, Inc.
Attention: RMA Coordinator
471 Brighton Drive
Bloomington, Illinois 60108 U.S.A.



**471 Brighton Drive
Bloomington, IL 60108**



LOWBAND/VHF YAGI INSTRUCTION SHEET

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MIS-LB/VHF YAGI-1

VHF YAGI ASSEMBLY INSTRUCTIONS

- 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
- 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.
- Pick out the 3/8" diameter elements and mark them as to reflector, D1, D2, etc.
- Cut each element to the length described in the cutting chart measuring from the center mounting hole and trimming at each end.

Remember

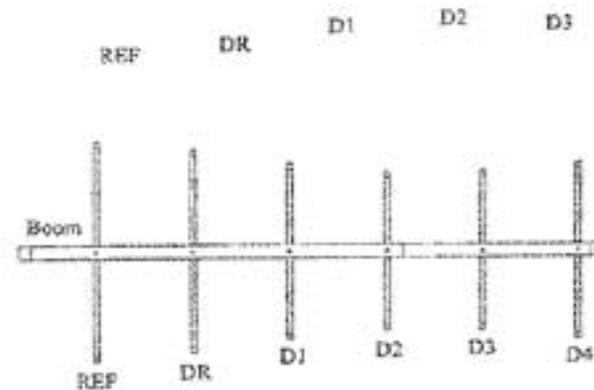
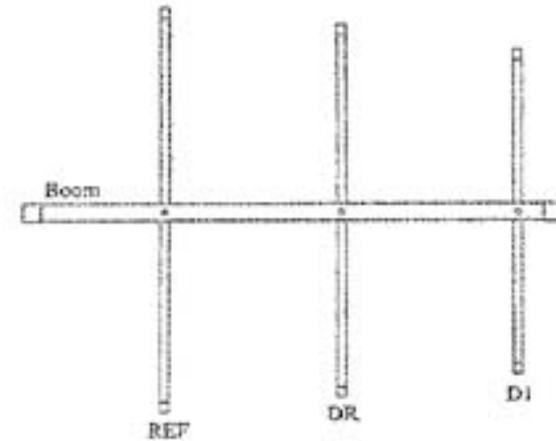
**The element has a center mounting hole.
 This hole should be at the midpoint of the cut element.**

- Slide the connector block assembly onto the boom and position it between the driven and reflector element holes in the boom.
- 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.
- Put the end caps onto the boom and elements.
- 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.

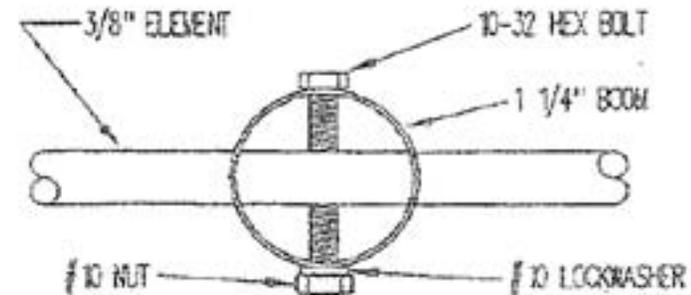
NOTE: Insert the end with a 3/8" element hole 1/2" from the end into the 1-1/4" boom.

- 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.
- 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.
- It is recommended that in vertically polarized installations, the gamma match capacitor tube cap is "up".

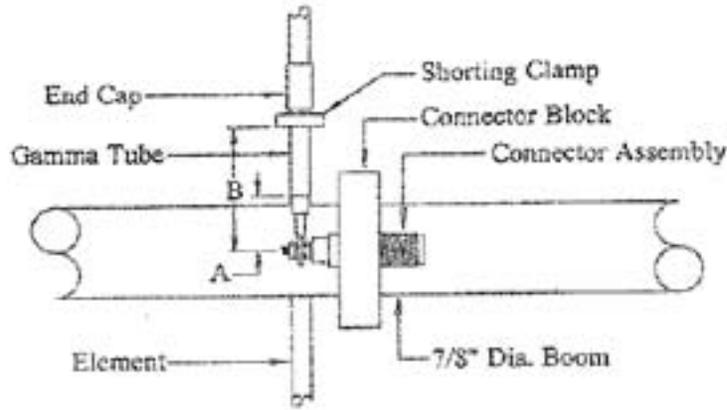
NOTE: Except for the MYA1503FT, the dimensions given are for the total element length. The hole in the element should be the center.



ELEMENT-TO-BOOM ASSEMBLY



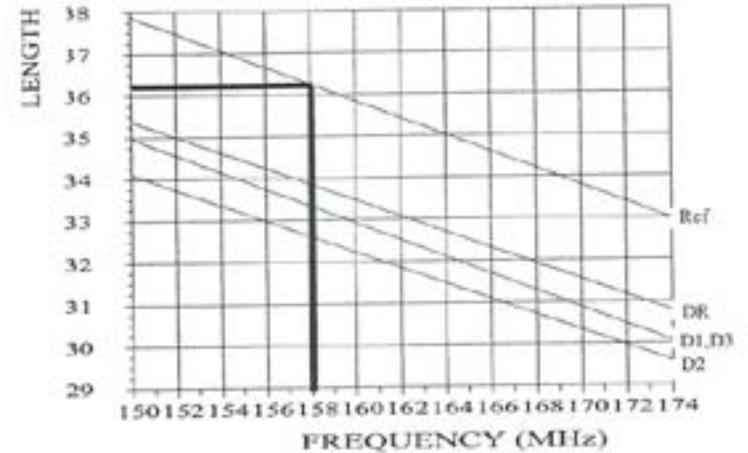
EXTREMELY IMPORTANT: SELECT THE CORRECT CUTTING CHART FOR YOUR YAGI!



CAUTION AND WARNING

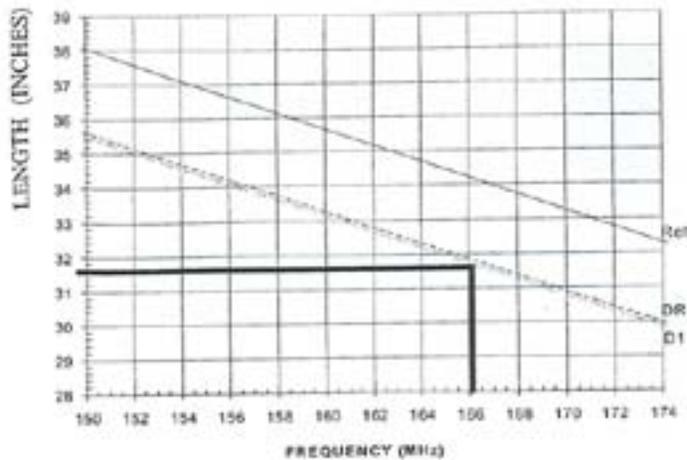
YOU COULD BE *KILLED* IF THIS ANTENNA COMES IN CONTACT WITH ELECTRIC POWER LINES OR IS BROUGHT IN PROXIMITY WITH A HIGH VOLTAGE ELECTRICAL FIELD. FOR YOUR OWN SAFETY, USE EXTREME CAUTION WHEN INSTALLING THIS ANTENNA. KEEP AWAY FROM POWER LINES.

MYA1505KN



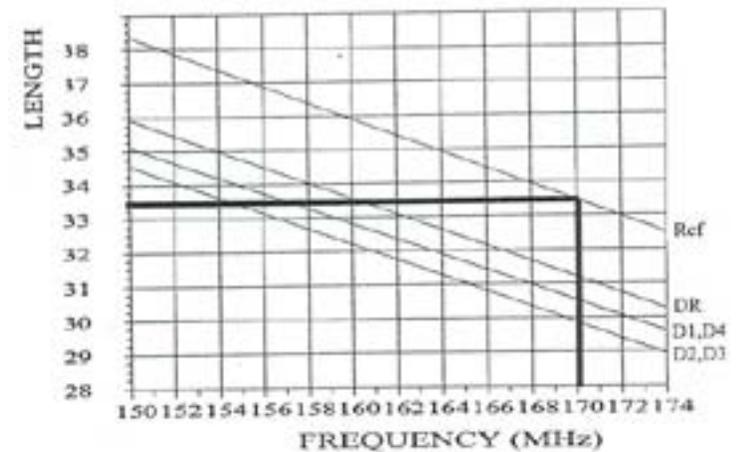
Example:
The dark line indicates that the approximate length for the reflector tuned to 158 MHz is 36.25 inches.

MYA1503K & MYA1503KN



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

MYA1506K



Example:
The dark line indicates that the approximate length for the reflector tuned to 170 MHz is 33.5 inches.