

## **WARNING**

**INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS.**

**FOR YOUR SAFETY, FOLLOW THE INSTRUCTION DIRECTIONS**

### **HUSTLER COLLINEAR TWO METER FIXED STATION ANTENNA MASTER GAINER TM MODEL G6-144B**

FCC accepted for Repeater application at 6 db gain based on EIA Standard RS-329; gain compared to 1/2 wave dipole.

#### INSTALLATION INSTRUCTIONS:

1. Check package contents against illustration to insure all items are included.
2. Refer to Figure 1 and install the four radials. This is most easily accomplished by inserting the four #5180-3 screws two to three turns into the #5328 cast aluminum base. Note the clockwise direction and install all radials before tightening the four screws. Hold the base assembly in a vertical position while installing radials. Install red tips on ends of radials.
3. Attach the phasing coil and upper radiator to the lower radiator and base assembly. Tighten the assemblies securely.
4. Mount the antenna on a 1" to 1 3/4" diameter mast with the "U" bolts supplied.

#### TUNING INSTRUCTIONS

After the assembly is complete, install a dependable watt meter at or near the feedpoint of the antenna. The G6-144B utilizes a 5/8 wave lower and a 5/8 wave upper collinear radiator which has been spaced for optimum low angle radiation.

Apply power to the antenna on or near the center of the frequency range to be used. Reference: See last paragraph. Loosen the clamp of the bottom radiator only and adjust the length until the lowest reflected power or SWR is obtained. Secure this clamp. If it is desired to further minimize the reflected reading, loosen the clamp of the top radiator and adjust this length until the lowest possible reading is obtained. Adjustment increments should be in steps of no more than 1/2 inch.

Secure all hardware and clamps.

Before final installation, if desired, coat the entire antenna with the exclusion of the rf connector with a good grade of clear acrylic such as "Krylon".

The total useable bandwidth is more than 2MHz under 1.5:1 without degradation of gain which makes this antenna ideal for duplex operation.

When using some other frequency in that range, add or subtract 1/4" from each "X", "Y" and "Z" dimension for each 0.5 MHz lower or higher change in frequency, respectively.

### **NEWTRONICS ANTENNA CORP. LIMITED WARRANTY**

Hustler Inc. warrants its products to be free of defects in material and workmanship and extends this warranty under intended use and normal service conditions to the original owner for a period of one year from the date of purchase. This warranty does not apply to any product that has been repaired or altered in any manner and is void for any damage to accident, neglect, unreasonable use, improper installation or any other cause not arising out of defects in material or workmanship.

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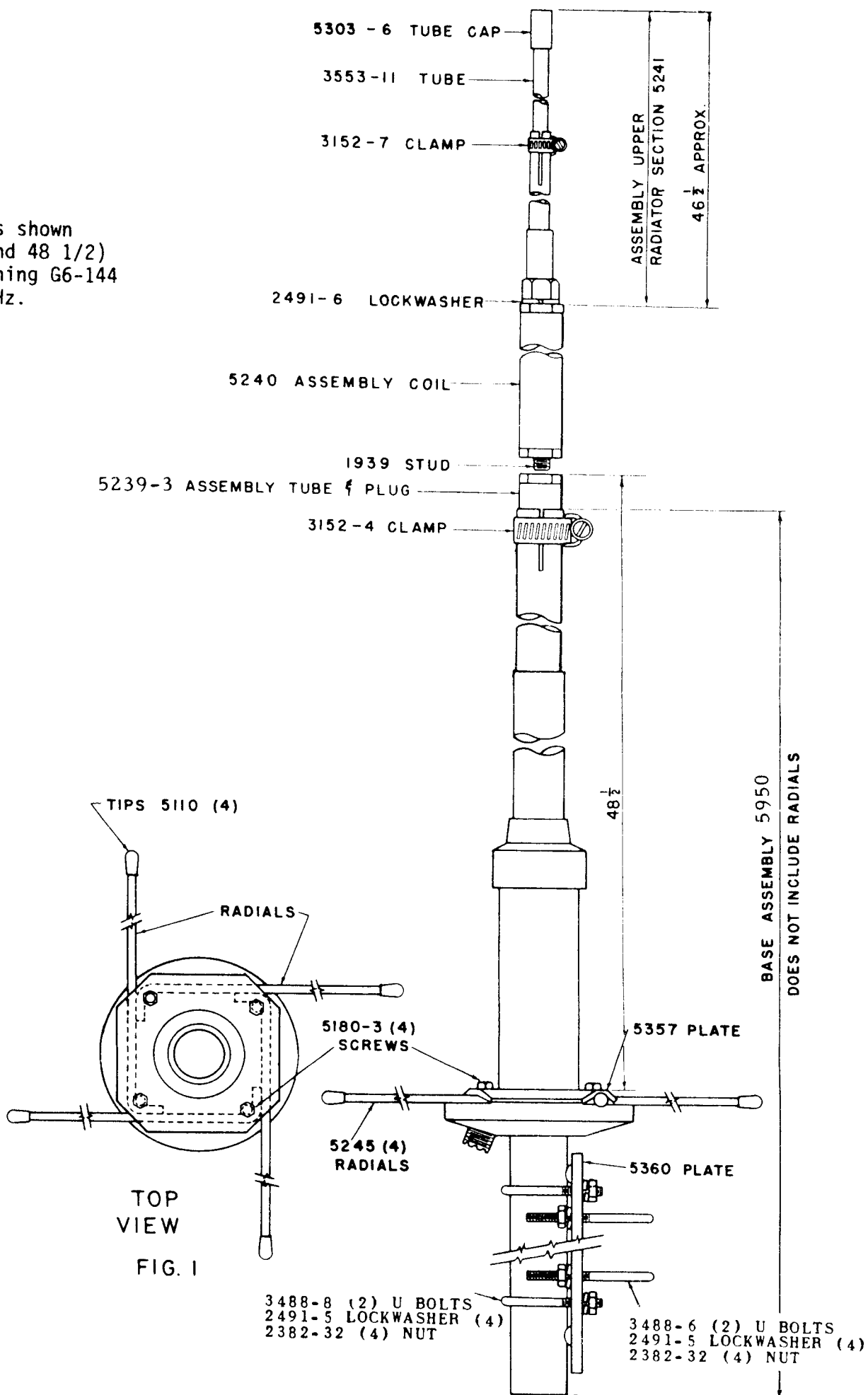
G6-144B



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The lengths shown  
(46 1/2, and 48 1/2)  
are for tuning G6-144  
to 146.5 MHz.



G6-144B

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