

# HIGH BAND GROUND PLANE ANTENNA

This antenna is supplied to operate satisfactorily within the frequency range(s) specified on the carton label. Some models require cutting of the radiator and/or radials in accordance with charts on the back of this sheet. If the antenna is to be used over a range of frequencies, the element lengths should be chosen for mid-range or favor the element lengths for the most used, or the frequency requiring the greatest range.

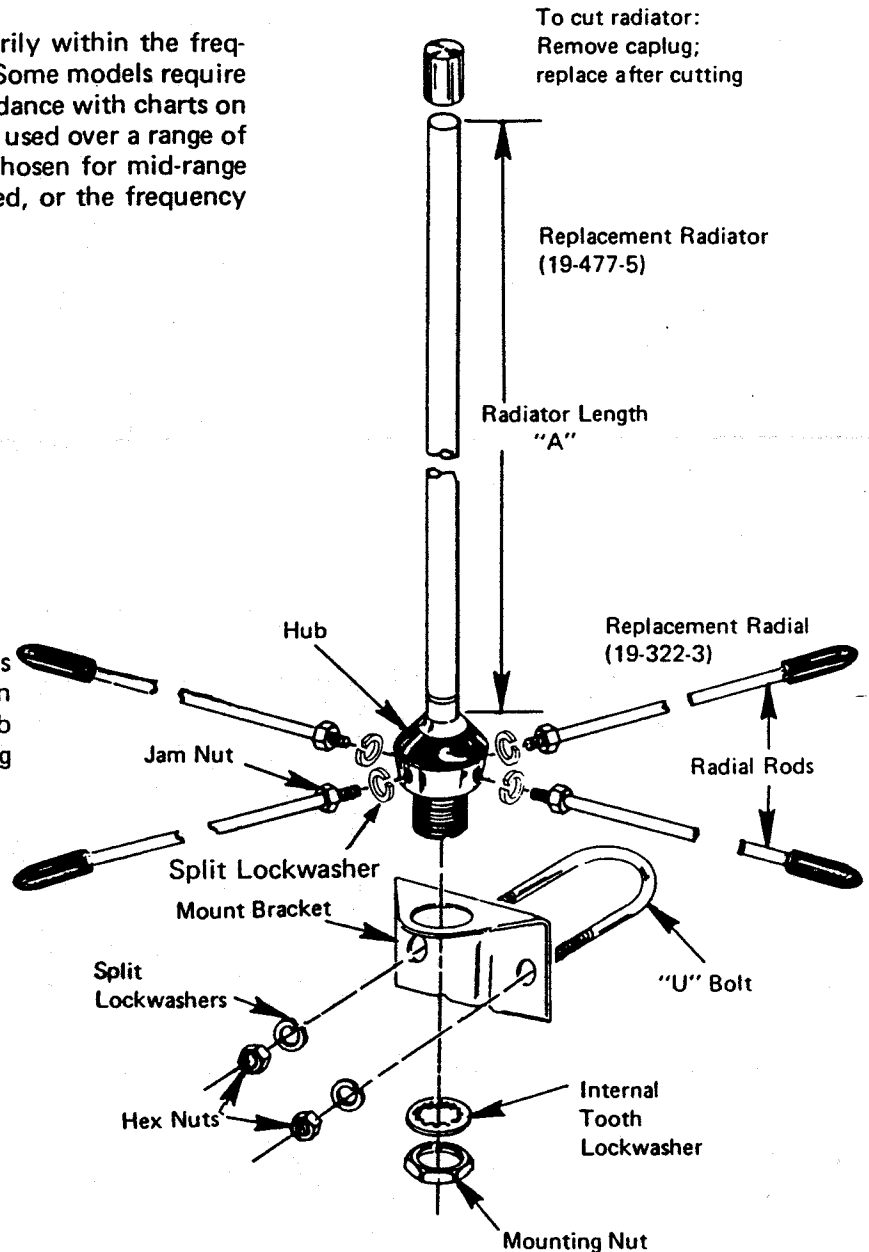
## ASSEMBLING THE ANTENNA

- 1) Select antenna location and route cable from set to antenna.
- 2) Loosen mounting nut and assemble radials to hub as shown in illustration. Tighten jam nuts and lockwashers against hub to secure the radials. Retighten mounting nut.
- 3) Connect cable to antenna (accepts PL-259).

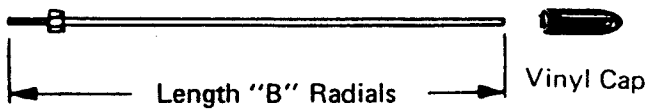
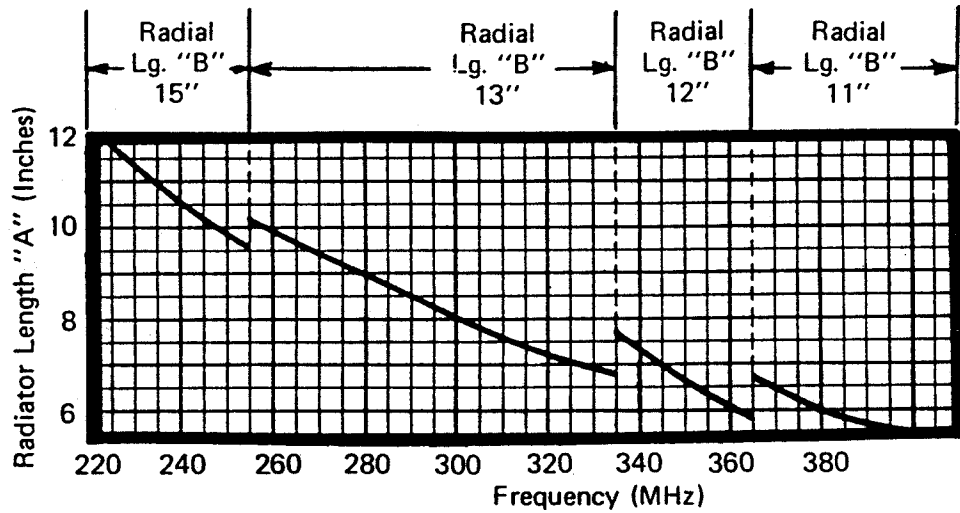
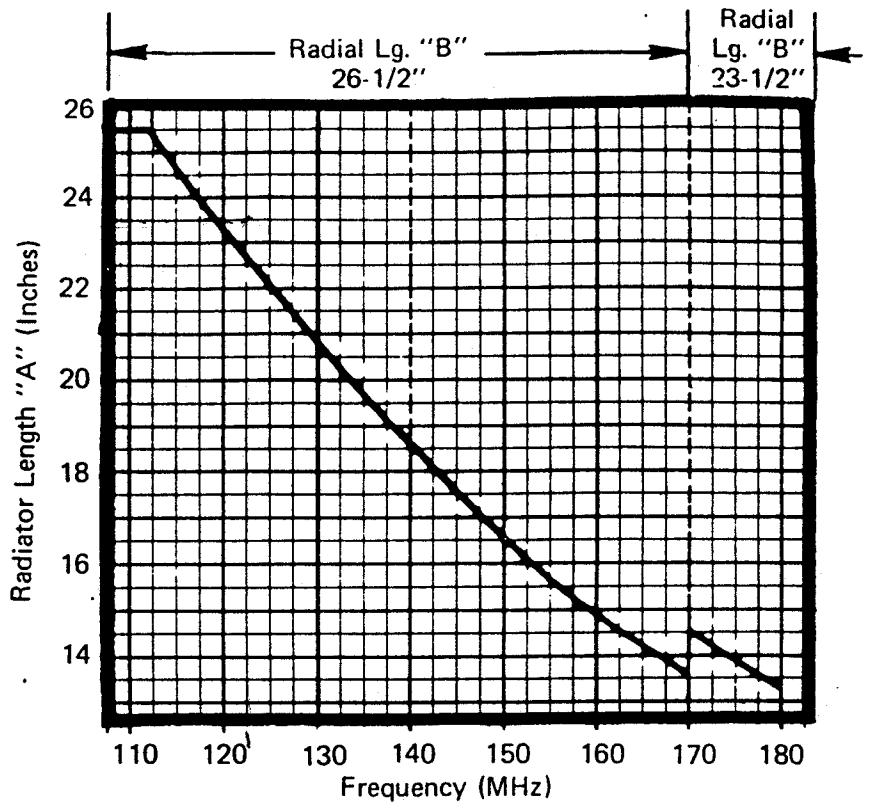
Some models are supplied with cable and connector for the antenna end. Radio end connector is not supplied.

- 4) Mount antenna onto 1/2"-3/4" pipe, or up to 1-3/8" O.D. tubing (not supplied) with "U" bolt, lockwashers and hex nuts provided.
- 5) Secure cable to mounting pipe with strap or plastic tape to avoid strain on cable connections.

The use of a PTFE or similar lubricant on the treaded portions of the antenna, prior to assembly, will protect from weather and ease future disassembly.



Lengths on chart are approximate.  
For finer tuning, use a VSWR bridge  
if antenna is to be used for  
transmitting.



REMOVE VINYL CAP BEFORE MEASURING  
AND CUTTING. SLIDE VINYL CAP BACK ON  
AFTER CUTTING.

TUNING ADJUSTMENT TABLE		
Frequency (MHz)	Radiator Length "A" (Inches)	Radial Length "B" (Inches)
406-420	5-5/8	10
450-470	5	8-1/2
470-488	4-15/16	7-3/4
488-512	4-5/8	7-3/4