

SON OF A GUNN (For Amateur Radio)

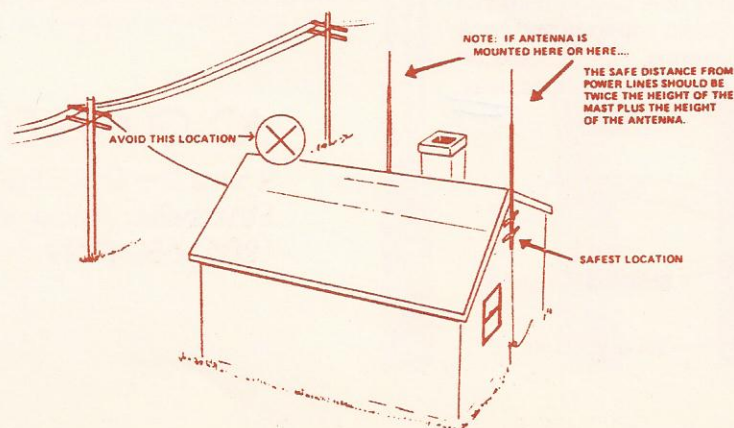
WARNING! INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS. BEFORE YOU START INSTALLATION, LET US WARN YOU OF THE DANGER OF LETTING ANY PART OF YOUR ANTENNA SYSTEM TOUCH ELECTRICAL POWER LINES — YOU MAY BE KILLED. IT HAPPENS MORE OFTEN THAN YOU REALIZE! SOMEONE FALLS OFF A ROOF OR GETS THE SHOCK OF HIS LIFE. UNFORTUNATELY, A GOOD ANTENNA SITE IS OFTEN NEAR ELECTRICAL POWER LINES. IF ANY METAL ANTENNA PART TOUCHES A POWER LINE IT COMPLETES AN ELECTRICAL PATH THROUGH THE ANTENNA AND THE INSTALLER (THAT'S YOU).

FOLLOW THESE RULES AND LIVE:

1. Perform as much antenna assembly on the ground as possible.
2. Watch out for overhead power lines. Check the distance to the power lines before you start installing — WE RECOMMEND YOU STAY A MINIMUM OF TWICE THE MAXIMUM LENGTH OF THE ANTENNA ASSEMBLY AWAY FROM ALL POWER LINES.
3. Do not use a metal ladder.
4. Remember, even the slightest touch of an antenna to a power line can cause a fatal shock.
5. Don't try to do the job on a windy day.
6. Have a friend as a spotter when you're on the roof. They can see things you can't.
7. If you start to drop an antenna, get away from it and let it fall.
8. If any part of the antenna should come in contact with a power line — CALL YOUR LOCAL POWER COMPANY; DON'T TRY TO REMOVE IT YOURSELF! They will remove it safely.
9. Mast, lead-in and metal guy wires are all excellent conductors of electrical current — keep them away from power lines too.
10. Be sure your family and friends understand the danger of touching an overhead power line. Tell them never to try to remove any object in contact with a power line — CB, TV antenna or anything else.
11. Make sure that the antenna mast assembly is properly grounded.

WHERE TO INSTALL YOUR ANTENNA:

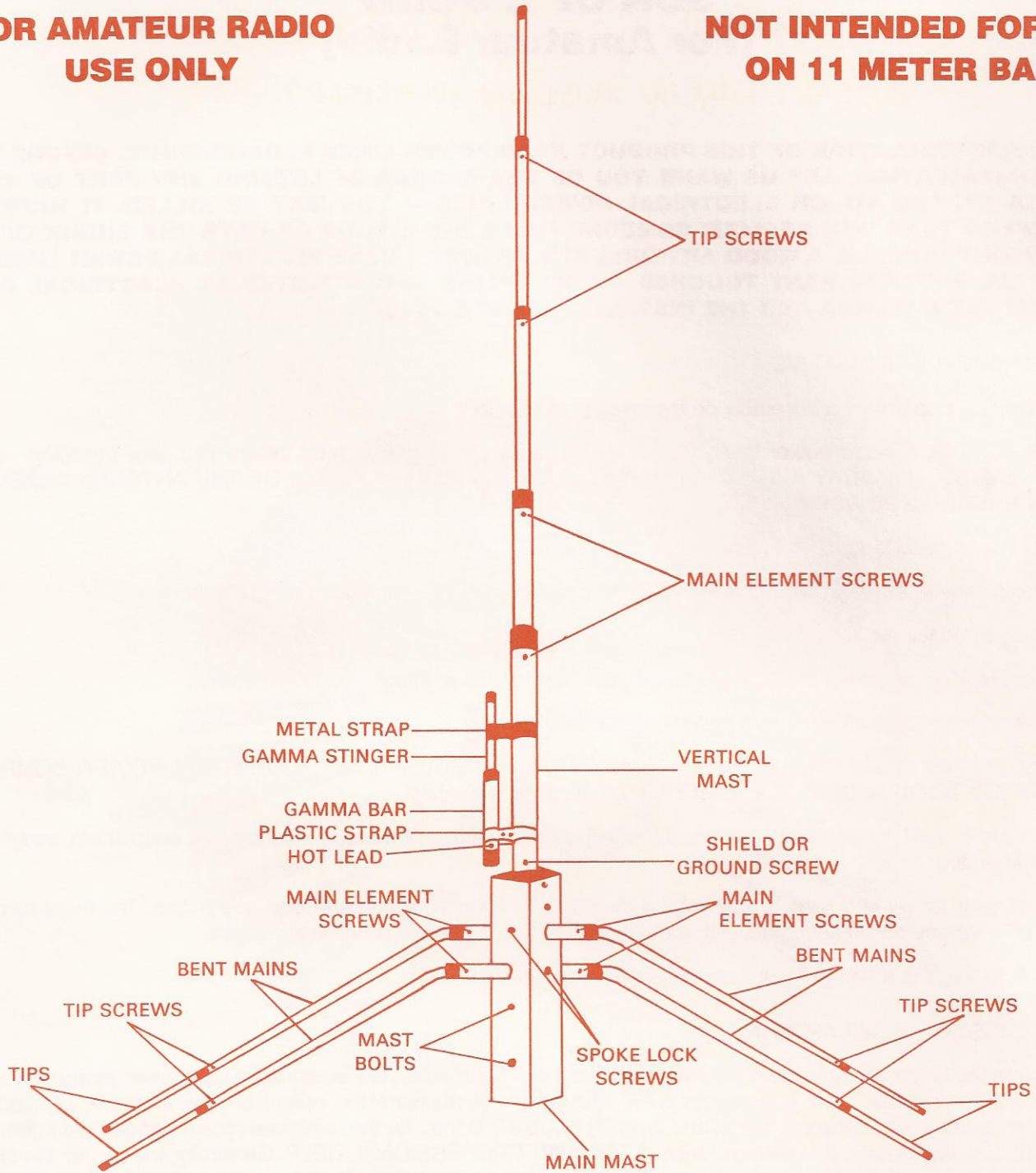
Before attempting to install your antenna, think where you can best place your antenna for safety and performance. To determine a safe distance from wire, power lines, and trees: (1) Measure the height of your antenna, (2) Add this length to the length of your tower or mast, and then (3) Double this total for the minimum recommended safe distance. If you are unable to maintain this safe distance, STOP, GET PROFESSIONAL HELP. Generally, the higher the antenna is above the ground, the better it performs. Good practice is to install your antenna about 5 to 10 feet above the roof line and as far away as possible from power lines and obstructions.



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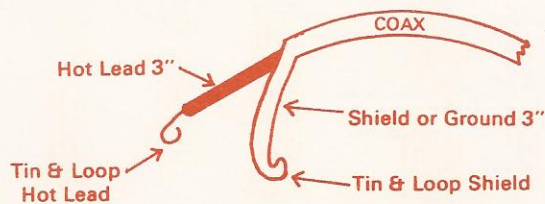
**FOR AMATEUR RADIO
USE ONLY**

**NOT INTENDED FOR USE
ON 11 METER BAND**



COAX

Completely seal Coax where Hot Lead & Shield separate and hook to the Antenna. Both should be split no more than 3 inches, less, if possible.



JO GUNN Enterprises™

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(205) 658-2229

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(26.000 - 29.500 mhz)

Assembly & Tuning Instructions

1. Slide two 8" spokes into main mast and lock down with spoke lock screws.
2. The top (vertical) section consists of four pieces compressed within each other. Take the section and telescope out; lock down with proper screws as shown in diagram. Attach to vertical mast (1" in diameter) and lock down with main element screw.
3. Take the four bent mains and slide each into the spokes. Lock down with main element screws.
4. Take gamma bar feed system has already been installed and set at 43 inches from the top of the main base. Hook the center or hot lead of coax to the wing nut at the bottom of the gamma bar. Then take the shield or ground of coax and hook to the ground screw located just above the main mast on the vertical mast. (NOTE: Refer to Diagram on Coax Hook-Up).
5. At this point, SWR adjustments can be made. The preset adjustment is **ONLY** a starting point for reaching lowest SWR. All main SWR adjustments are made by sliding the metal strap $\frac{1}{2}$ " at a time up or down. Each time reading is taken, make sure good contact is being made between the metal strap and gamma bar, and metal strap and vertical element. Failure to make good contact will result in a false indication of high SWR. **SOME** fine tune adjustments can be made with the gamma stinger, after completing the strap adjustment. NOTE: Do not reverse the above steps on setting SWR.
6. Once all adjustments are made, COMPLETE SEALING needs to be done to the following connections: Coax Seal is included with the antenna or it can be purchased through Jo Gunn Enterprises.

(b) Where gamma stinger works in and out of gamma bar.

(c) COMPLETELY where coax hot lead and shield separate and hook to antenna.

Failure to seal correctly will result in unstable SWR and poor performance of the antenna.

ALL Jo Gunns SWR get lower the longer they are run.

COAX HOOK-UP PREPARATION

First, cut the outer jacket 3 inches all the way around from the end of coax. Remove from cable to make visible shield. Next, pick a hole in the shield or braid just above the jacket. Then, carefully fish the center of the coax back through the hole that was picked. This will complete the pigtail and be ready for hook-up. Ring terminals can be installed on ends of shield and center conductor of pigtail. If these terminals are used, they need to be soldered and crimped very well for a good connection.

EXAMPLE: STA-KON
Ring Terminals
or equivalent.

