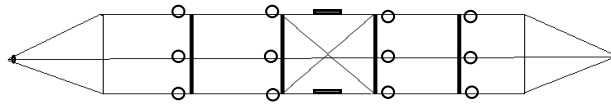


BBA-100 Series ANTENNA UNPACKING INSTRUCTIONS



Note: Do not unroll antenna wires until the antenna is onsite in a large area

1. Remove the antenna from the box so that the load resistor hangs downwards below the antenna.
2. Spread the antenna on the ground as shown below



3. Remove all masking tape.
4. Starting at the ends, gently with wire cutters or scissors, remove the cable ties from the first set of three coils of wire. Extend this antenna section as far as possible. Move onto the inner rolls and repeat.

IMPORTANT!

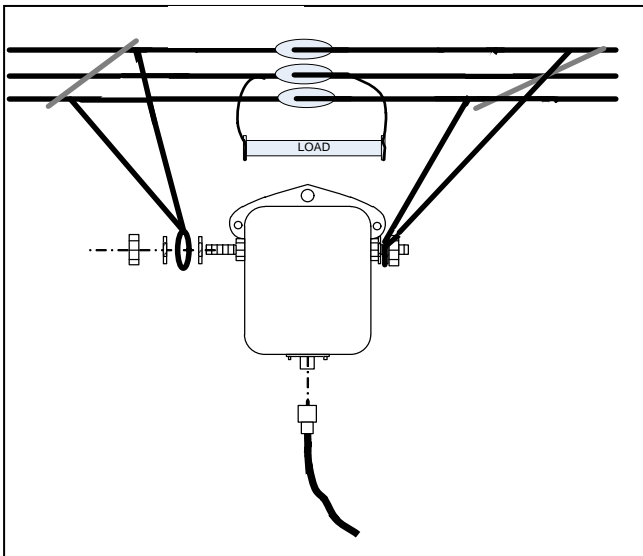


When all cable ties have been removed, the wires must be extended to full length to prevent them becoming tangled.

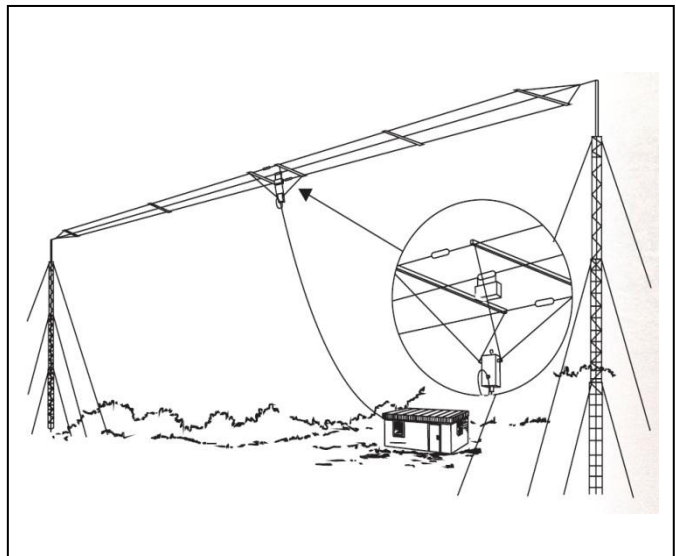
If twisting or crossing of the wire occurs during unpacking don't panic and reach for the wire cutters. Instead try to trace the crossed or twisted wire and correct the problem.

HORIZONTAL CONFIGURATION Installation Instruction

1. Unpack the antenna (see unpacking instructions above) and lay it out on the ground between two mounting poles with the load element and balun wires below the antenna wires.
2. Attach rope to each insulator (one at each end) and slowly hoist between the two mounting points (tower/poles even a tree or to the roof) ensuring the wires do not tangle. Raise to about eye level.
3. Balun (black box) connection: Once the antenna has been raised to a convenient height, attach the balun and coax cable as shown below. All stainless steel nuts and washers required are provided with the balun. Remember to use the strain relief on the back of the balun box (wrap the RG58 coax in the little "channel" under the washer and tighten the wing nut). (see note on back page for RG213 strain relief)
4. Raise the antenna to the desired height and secure ropes. A slight curve in the antenna is normal.



BBA-100 series Balun installation



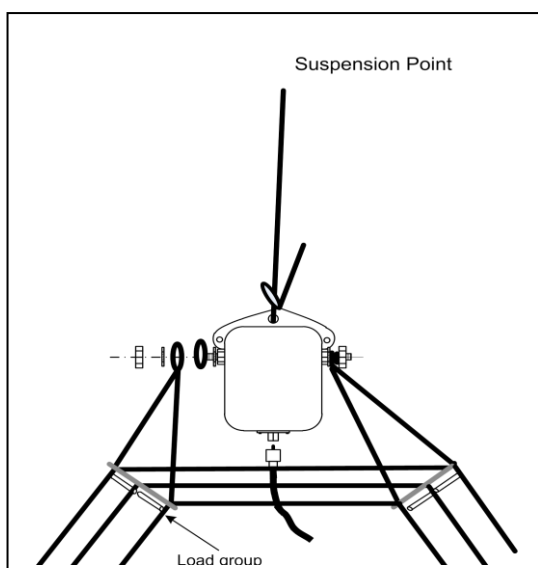
Typical horizontal configuration



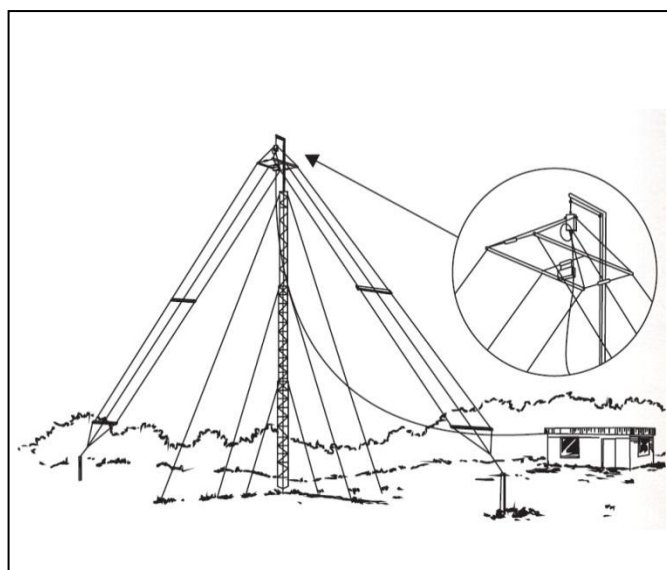
RG 213 coax cable strain relief is provided, where appropriate, by a pigtail strain reliever (PTS) attached to the rear of the balun. See note on last page.

INVERTED “V” CONFIGURATION Installation instructions

1. Unpack the antenna and lay on the ground making sure the wires do not tangle, with the balun wires above the antenna wires. i.e. upside down.
2. Fit the balun, and the yoke, as shown in the picture below.
3. Attach a hoisting cord to the suspension yoke. Slowly raise to about eye level ensuring that the wires do not tangle.
4. When at a convenient working height, connect the coax cable to the plug at the base of the balun. Remember to use the strain relief on the back of the balun box (wrap the RG58 coax in the little “channel” under the washer and tighten the wing nut). (see note below for RG213 strain relief).
5. Ensure the load element is hanging under the antenna,
6. Raise the centre of the antenna to the required height. The ends of the antenna now need to be secured. Attach cord to the insulator at each end of the antenna. Apply sufficient tension to straighten the antenna cables. A slight curve in the antenna is normal. Tie these cords to convenient points to secure the antenna in position. Ideally these should be tied at a height, or in a safe area to avert possible contact and risks of minor shocks or burns.



Inverted BBA-100 series Balun installation



Typical inverted “V” installation



RG 213 coax strain relief is provided, where appropriate, by a pigtail strain relief (PTS) attached to the balun.

The stainless steel wire of the PTS is attached to the back of the balun by the wing nut and washer. Wind the coax cable through the centre of the PTS (so the free coax is longer than the stainless steel wire) then connect the coax connector to the balun. Make sure that there is no strain on the connector when the cable is hanging down.