



Installation Instructions

Baby Boomer Quads

(includes BBQ 101520, BBQ 10, BBQ 15 and BBQ 20)

DANGER: *It is the responsibility of the purchaser to ensure that all required safety procedures are followed for erecting the antenna. Avoid contact with overhead wires. Improper erection can result in death or serious injury!*

1. ASSEMBLING

The BBQ101520 can be assembled and erected by one person. The help of a second does make the job easier. No stringing of wires is required as the antenna is pre-tuned and pre-strung.

1.1. PARTS LIST

1 pc. Driven Element (Folded)

1 pc. Reflector Element (Folded)

1 pc. Boom

1 pc. Mounting Plate 2" mast.

1 bag Assembly (8 bolts, 8 lock washers, 4 spiral clamps for boom, 4 mounting plate clamps)

1 bag Spare Parts (4 #8 1-1/2" bolts, 4 #8 5/8" bolts, 10 #8 lock washers, 10 #8 nuts, 2 3/8 bolts, 4 3/8 lock washers, 10 HD crimp eyelets, 1 spiral clamp, 1 boom clamp, 15ft line, 20ft 14ga flexweave)

1.2. ASSEMBLY

1. Remove all tie-down fasteners from the above mentioned pieces.
2. Remove the mounting plate and store for later use.
3. Remove boom and store for later use.
4. Remove either element and stand upright as show in Fig 1.



Fig. 1

5. Remove packing tape on wire prior to opening.
6. Open antenna as shown in Fig.2 and Fig. 3.



Fig. 2



Fig. 3

7. The antenna should lay flat. If it does not, check for tangled connections as shown in Fig. 4 and untangle.



Fig.4

8. When antenna lays flat insert and tighten 4 bolts with lock washers as per Fig. 5 and Fig. 6.



Fig. 5



Fig.6

9. Move section out of way to allow for assembly of second section.



Fig. 7

10. Repeat steps 4 thru 9.
11. Mount the mounting plate on the mast.
12. Center and mount the boom on the mounting plate.
13. Lift and mount one element on one end of the boom.



Fig.8



Fig. 9



Fig.10

14. Align element so that the interconnection point between Outer Loops and Capacity
15. Hats are horizontal (feed point at bottom) Fig. 11 and Fig. 12.



Fig.11



Fig 12.

16. Repeat steps 13 and 14 for second element.
17. Align antenna to rotor system. The direction of transmission is from the reflector to the driven element (feed point).
18. Attach and secure feed to antenna (DO NOT LET FEED HANG FROM ANTENNA FEED POINT).

2. TIGHTENING OR LOOSENING LINES

Due to the nature of the construction, climate and shipping, it is occasionally required that the lines be tightened or loosened. Because of the design this is easily accomplished as follows:

1. Remove the nut and lock washer holding the offending line to the spreader arm and remove the line at one end only.
2. Twist the line in the desired direction will shorten or length the line.
3. Replace the line, lock washer, nut and tighten.

Special Note: Lines which have “T” sections will require that the line is equally tightened or loosened at both ends.

3. USE OF BALUN (purchased from outside sources)

If using the balun, ensure that the feedline and balun is properly supported to prevent stress on the wires of the antenna. Failure to do so will result in damage to the antenna.

4. PINNING SPIDER TO BOOM

We strongly suggest that the spider be pinned to the boom by using one or two self tapping screws for this purpose. These must be purchased for outside sources.

Warranty

This limited warranty is extended to all end users of Degen Designs Antenna. Your product is warranted to be free from defects in manufacturing, materials and workmanship. If such defect appears during the term of the warranty Degen Designs will repair or replace the defective material at Degen Designs discretion.

The limited warranty is valid from date of shipment from Degen Designs as follows:

Entire antenna: 1 year

Spreader Arms: 2 years (BBQ antennas only)

Spider: 3 years (BBQ antennas only)

The warranty of the replacement products (including upgrades thereto) furnished pursuant to this warranty will be limited to the remainder of the warranty period of the original product.

Conditions and Exclusions

- Improper installations, usage or maintenance.
- Any modification of antenna in whole or in part.
- Misuse and abuse.
- Shipping charges of replacement parts is not covered.
- Proof of Purchase is required.

For warranty related issues please contact Degen Designs. www.degendesigns.com