

Thank you for purchasing a Shakespeare antenna product. Customer comments are welcome. Before installing, please study the diagram and check parts supplied against those listed.

**IMPORTANT! Please read all instructions before installing.**

The Style 5318 is a Galaxy® Series marine dual-band cellular antenna of 17'6" overall length.

**Tools required: Soldering iron (40-watt min., 75-watt max.), resin core solder, pocket knife, wire cutters.**

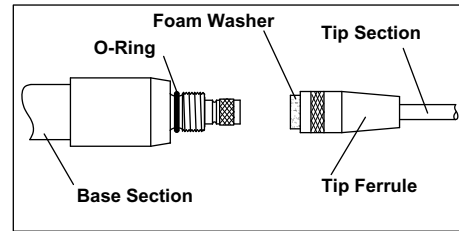
## Installation Instructions

Choose a mounting location that is as high as feasible, as free as possible from obstructions, and as far as possible from other antennas and strong sources of RF.

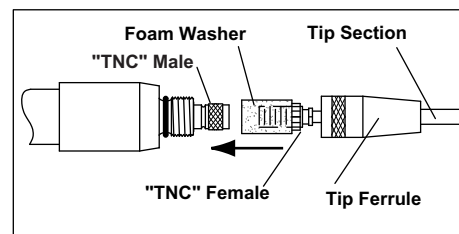
**Assemble the sections of the antenna before mounting:**

1. Remove the tape that holds the Tip and Base sections of the antenna together during shipping. **DO NOT** remove the Foam Washer from the Tip Section until Step 2. Lay out and align the Tip and Base sections on a flat surface. Inspect the O-ring seal and be sure it is seated in the bottom groove of the Base Section's upper fitting. (See "Step 1" illustration)
2. Grasp the Foam Washer and pull out from Tip Ferrule approximately 2" until the rear of the "TNC" Female connector is visible. (The Tip Section's element is suspended by an elastic cord, and will retract into the Tip Ferrule when released.) Grasp the rear of the "TNC" and hold in this position. Do not pull the washer and "TNC" connector any farther than necessary to get a good grip, or the elastic cord may be broken. (See "Step 2" illustration).
3. While maintaining a grip on the "TNC" Connector, remove the Foam Washer and set it aside. Attach the Tip Section connector to the connector extending from the Base Section and tighten securely. Release the Tip Section connector and allow it to return to its original position inside the Tip Ferrule. (See "Step 3" illustration.)
4. In order to thread the Tip Section onto the Base Section, the slack in the Coax Cable between the sections must be taken up by pulling the cable through the grommet at the bottom of the Base Section. Pull gently on the cable while threading the Tip and Base sections together. Tighten securely.
5. The recommended mount is Shakespeare's Style 409-R or 410-R Mounting Kit (each sold separately). This antenna requires an upper support bracket, included in the mounting kits. Follow the directions packed with the mounting kit you choose. Note that the upper support bracket should be installed at least 3 to 5 feet above the bottom of the antenna.
5. Route the cable to your cell phone's location, keeping it as far as possible from other electrical equipment and cables. Any excess cable should be cut off or rolled in a coil of at least 8" diameter and stowed in an out-of-the-way place away from other electrical cabling. Attach the connector (supplied) according to the instructions packed with the connector. To connect your phone to the antenna, use a Shakespeare Cell Phone Adapter (sold separately).

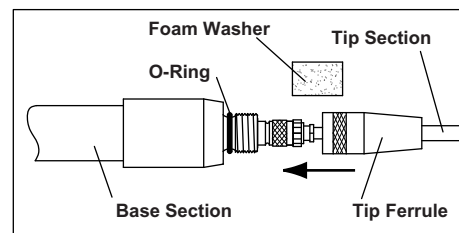
Supplied Parts	
1	Antenna assembly
1	TNC connector with instruction sheet
1	Grommet plug (See Tech Tip)



STEP 1



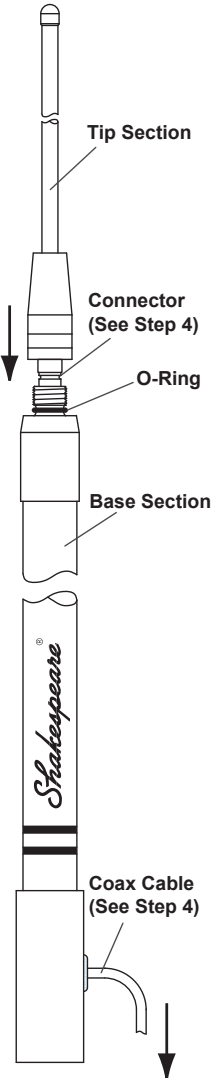
STEP 2



STEP 3

To clean the antenna, use mild dishwashing liquid (one that is not harsh to the hands and *without ammonia*) in lukewarm water. **WARNING:** Do not let paint solvents, cleaning solvents, or adhesive caulking come in contact with the antenna. Chemicals in these materials might destroy the finish.

**WARNING: Installation of this product near power lines is dangerous! Check for overhead wires before installing.**



Pull cable through Grommet to eliminate slack between Tip and Base sections (Step 4).

Tech Tips	
This antenna will read "open circuit" when tested with an ohm meter or continuity tester.	For installations where the cable exits through the bottom center of the antenna's ferrule, replace the grommet at the exit hole in the ferrule with the supplied Grommet Plug.
The coaxial cable should remain at least 3 feet in length, measured from the point where the cable exits the antenna.	

35-90-1260-00

## Shakespeare Electronic Products Group

U.S. Operations: 6111 Shakespeare Rd. · Columbia, SC 29223 · 803-227-1590 · Fax: 803-419-3099 · www.shakespeare-marine.com  
 U.K. Operations: Enterprise Way, Fleetwood, Lancashire, FY7 8RY, England · +44 (0) 1253 858787 · Fax: +44 (0) 1253-859595 · www.vtronix-antennas.com