

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 5309-R is a Galaxy® Series VHF marine whip antenna of 23' (7 m) overall length, with phased 1/2-wave elements stacked in a collinear array with a choking sleeve to suppress cable radiation. The antenna is in two sections.

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. The recommended mount is Shakespeare's Style 409-R or 410-R Mounting Kit (each sold separately), for deck or bulkhead mounting.

1. Remove the tape that holds the tip section of the antenna to the base section during shipping.
2. Swing the tip section up and over the base section so the two sections are in line. As you lower the tip to the base section, an elastic band inside the tip will pull any excess cable up, into the tip. **DO NOT CUT THIS CABLE.**
3. Inspect the O-ring to be sure it is seated in the bottom groove of the base section's upper ferrule. Thread the tip section onto the base section's upper ferrule and hand tighten.
4. Use a Shakespeare 409-R or 410-R Mounting Kit (each sold separately) to install the antenna on your boat. **Install the mounting kit's stand-off bracket at least 4 feet above the antenna's base where possible.** Follow the directions included with the mount you choose.
5. Route the cable to your transceiver, keeping it as far as possible from other electrical equipment and cables. Any excess cable should be rolled in a coil of at least 8" diameter and stowed in an out-of-the-way place, away from other electrical cabling. Install the PL-259 connector according to the instructions packed with the connector.

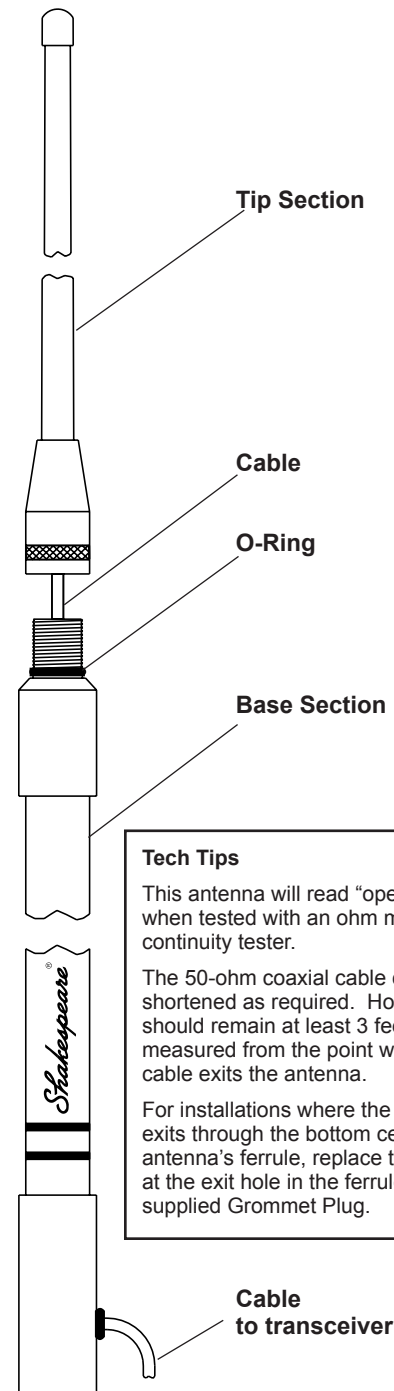
Cleaning Instructions

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.

Supplied Parts

- 1 Antenna assembly
- 1 PL-259 connector with instructions
- 1 Grommet plug (see Tech Tips)



Tech Tips

This antenna will read "open circuit" when tested with an ohm meter or continuity tester.

The 50-ohm coaxial cable can be shortened as required. However, it should remain at least 3 feet in length, measured from the point where the cable exits the antenna.

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.

35-90-1154-00

Shakespeare Electronic Products Group

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