

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 5399 is a Galaxy® series, two-piece, collinear-phased 5/8-wave VHF marine antenna of 9½' overall length with stainless steel ferrules. The two-section antenna can be deck or side mounted using a Shakespeare Style 409-R or 410-R Mounting Kit (each sold separately).

Deck-level self supporting applications are possible only if Shakespeare's extra heavy duty Style 4187-HD ratchet mount (sold separately) is used. Important: **do not** mount as self supporting on hard tops, T-tops, radar arches, or other structures.

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 side mounting. See mounting cautions above.

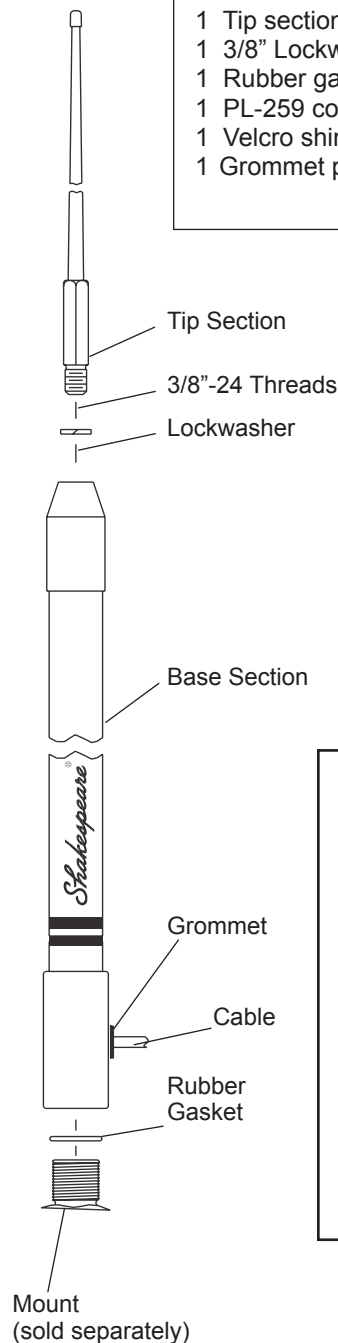
1. Assemble the Tip Section to the Base Section, using the lockwasher as illustrated, and securely hand tighten.
2. Mount the antenna according to the directions included with the mount you choose. See mounting cautions above. The Velcro strip supplied with the antenna hardware is for use as a shim for the upper standoff bracket that is included with the Style 452 mounting kit.
3. Route the cable to your radio and attach the PL-259 connector (supplied). Instructions are packed with the connector.

Elaborate grounding systems are not needed. This antenna works equally well on fiberglass, wood, or metal boats.

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	Base section
1	Tip section
1	3/8" Lockwasher
1	Rubber gasket
1	PL-259 connector with instruction sheet
1	Velcro shim
1	Grommet plug (See Tech Tips)



Tech Tips	
This antenna will read "short 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.	

Shakespeare Electronic Products Group

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