

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

Thank you for purchasing a Shakespeare antenna product. Shakespeare works hard to build reliability and durability into all of its products for maximum customer satisfaction.

The Classic 5104 is an end-fed VHF marine antenna of 4' (1.2 m) overall length with matching stub and a chrome-plated brass ferrule.

**TOOLS REQUIRED:**

- Soldering iron (40-watt min., 75 watt max.)
- Resin core solder
- Pocket knife
- Wire cutter

**INSTALLATION INSTRUCTIONS**

Choose a mounting location that is as high as possible, as free as possible from obstructions, and as far as possible from other antennas.

1. Mount the antenna using a Shakespeare 4187 or 5187 Ratchet Mount (each sold separately). Follow the directions included with the mount you choose.
2. Route the cable to your radio, 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 (supplied) according to the instructions packed with the connector.

This antenna requires no external or internal ground system, and works equally well on fiberglass, wood, or metal boats.

**CLEANING INSTRUCTIONS**

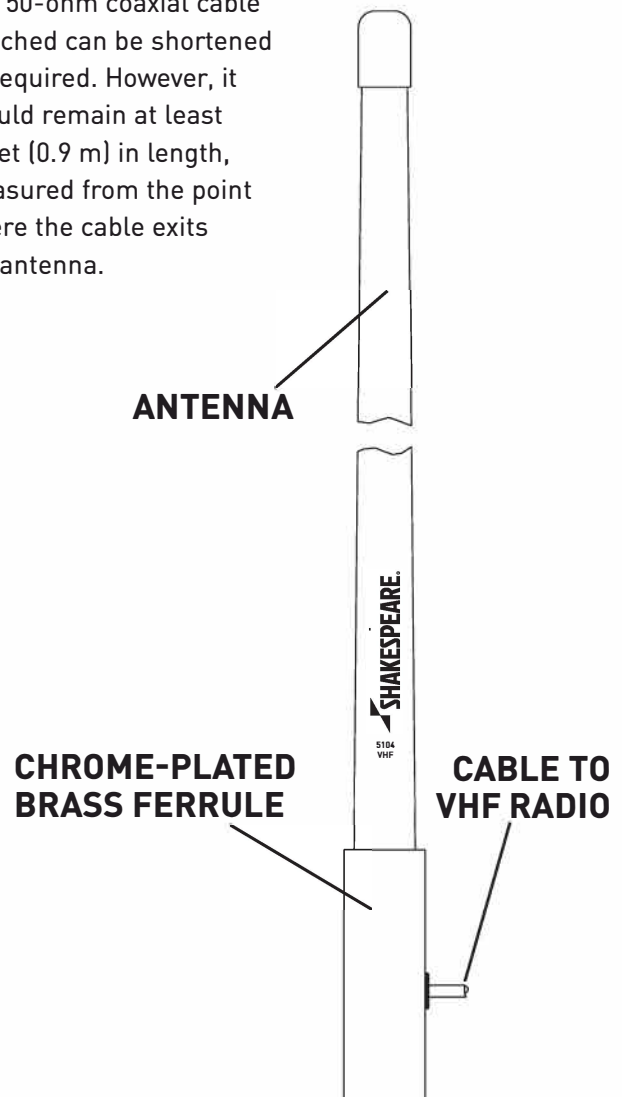
To clean the antenna, use mild dish washing liquid (one that is not harsh to the hands and *without* ammonia) in lukewarm water.

**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 instruction sheet

**TECH TIP:** This antenna will read "open circuit" when tested with an ohm meter or continuity tester. The 50-ohm coaxial cable attached can be shortened as required. However, it should remain at least 3 feet (0.9 m) in length, measured from the point where the cable exits the antenna.



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