

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 420 is a center-fed, 1/2-wave coaxial sleeve VHF marine antenna of 5' (1.5 m) length with an integral Lift-n-Lay mount. The antenna is in one section.

**Tools required: Drill and 1/4" drill bit, pliers, screwdriver, 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 possible, as free as possible from obstructions, and as far as possible from other antennas.

1. Using the base mount as a template, mark locations for three holes where the antenna is to be mounted. Drill 1/4" mounting holes. When drilling fiberglass, use a small scrap of wood to support the surface from behind, if possible, to help reduce splintering.
2. If mounting to a sloping surface, use the leveling plate (supplied) to compensate for a sloping surface. Discard it if not needed. If desired, use the included gasket to seal the base to the mounting surface. Attach the mount using the supplied hardware. For some types of surfaces, you might need to substitute stainless steel woodscrews (not supplied) or other hardware.
3. 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 (supplied) according to the instructions packed with the connector.

**Operation**

The Style 420 can be easily raised or lowered. To lower it, lift the antenna out of the socket base fitting, swing it down, and slide it back until it snaps and locks into place. Raise the antenna by reversing this procedure. If the antenna does not slide freely in the mount, apply some petroleum jelly to lubricate the fittings.

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

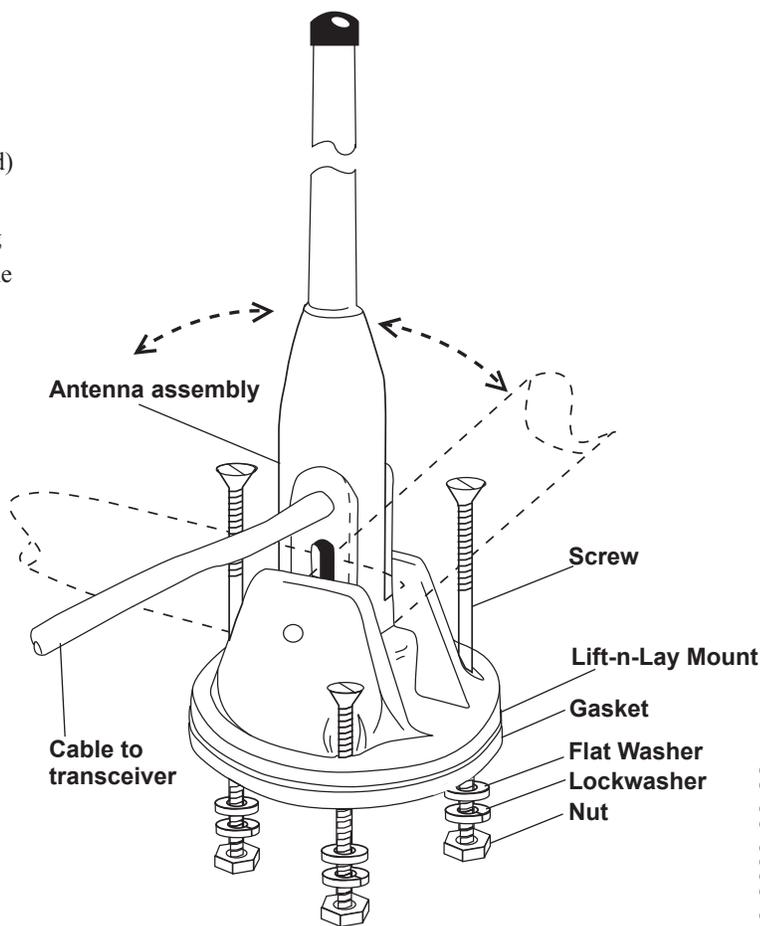
**Cleaning Instructions**

To clean the mount or 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 mount. Chemicals in these materials might destroy the mount.

**Supplied Parts**

- 1 Antenna assembly
- 1 Lift-n-Lay mount assembly
- 1 Leveling plate
- 3 Washers
- 3 Lockwashers
- 3 Screws
- 3 Nuts
- 1 PL-259 connector with instructions
- 1 Gasket

**Tech Tip:** This antenna will read "open" 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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**Shakespeare Electronic Products Group**

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