

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. Remove grommet plug if cable is to exit through the side.

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.

Thank you for choosing a Shakespeare Phase III antenna product. Shakespeare works hard to build reliability and durability into all of its products for maximum customer satisfaction. Customer comments are welcome.

FOR YOUR RECORDS	
Antenna Serial # _____	
Model _____	
Date of Purchase _____	
Shakespeare Dealer _____	

Shakespeare

Electronic Products Group

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Shakespeare® PHASE III™ Style 6018-R 18' VHF Installation Instructions

IMPORTANT: Please read all instructions before installing.

Before you start, check parts supplied against those listed.

Antenna assembly includes:

- 1 Antenna base section
- 1 Antenna tip section
- 1 1"-14 thread adapter
- 2 Rubber O-ring
- 1 Grommet Plug (see Tech Tips)
- 1 Coupling nut

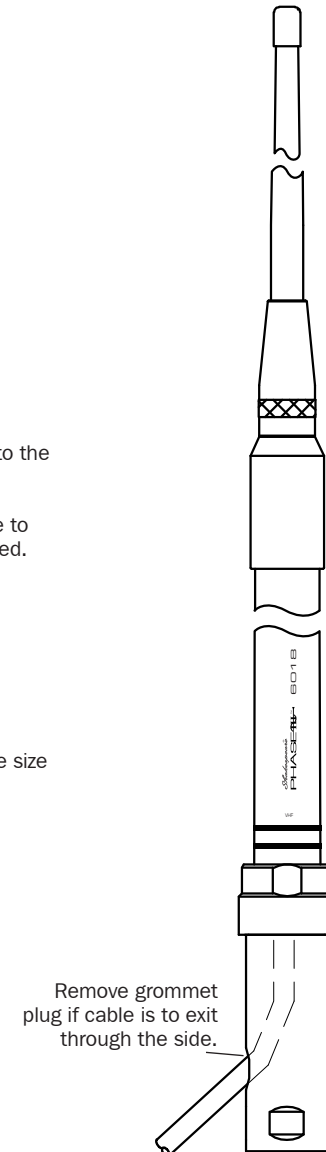
Tools required:

Screwdriver, drill, drill bits sized according to the cable you are using, wrench

Other tools or supplies that are appropriate to your specific application may also be needed.

Additional required materials:

- 1 Length of coaxial cable
 - 1 Male "UHF" connector appropriate to the size coax you are using
 - 1 Connector for connection to your VHF transceiver
- U-bolts, stainless steel strapping and appropriate hardware, if mounting the antenna to a mast



The Style 6018 is a Phase III® series 156.8 MHz VHF Marine antenna of 18' 4" overall length, including the 1"-14 thread adapter, with stainless steel ferrules and a female "UHF" connector. The two-section antenna comprises a collinear array of phased ½-wave elements with a choking sleeve to suppress cable radiation. The design of the Phase III antenna series facilitates mounting to a mast or attachment to a standard marine mount.

Select a location for the antenna.

Choose a location that is as high as feasible, as free as practical from obstructions, and as far as possible from other antennas and strong sources of RF. Cable runs should be kept as short as possible. If cable length exceeds 25', the use of RG-8X or RG-8 A/U coax (sold separately) is highly recommended, to reduce signal attenuation caused by the cable.

How to mount the antenna to a deck or bulkhead, using a marine mount

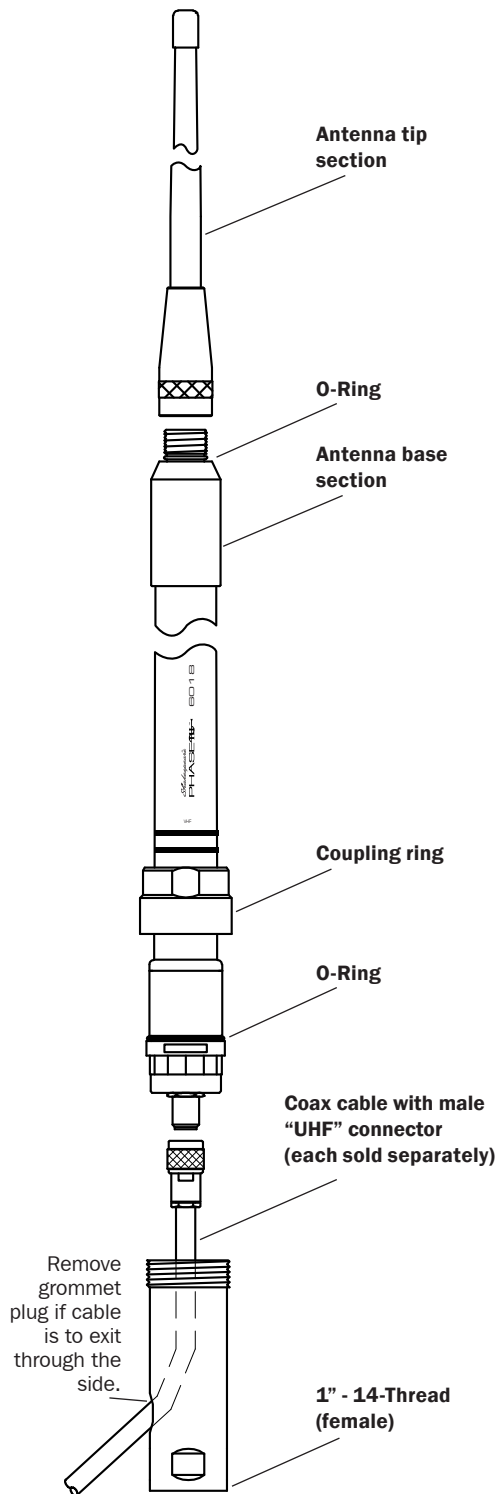
The recommended mount is a Shakespeare Style 409-R or 410-R Mounting Kit (each sold separately) for deck or side mounting. Use the 1"-14 thread adapter (supplied) to attach the antenna to the mount. The cable slot in the side of the thread adapter will accommodate up to RG-213 size coax cable.

Assemble the antenna sections as follows:

1. Remove the tape that holds the tip section of the antenna to the base section during shipping.
2. 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 tighten.

Mount the antenna to the deck or bulkhead:

1. Use a Shakespeare Style 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.
2. Bolt the mount to the deck or bulkhead according to the directions included with the mount you choose. Be sure to heed any cautions, included with the antenna mount, regarding drilling fiberglass surfaces.
3. Thread the 1"-14 thread adapter onto the mount and hand tighten.
4. Feed the coax through the cable slot in the side of the thread adapter or through the bottom and through the hole in your antenna mount, if one is provided.
5. Install a male "UHF" connector (sold separately) for the size coax that you have chosen, according to the instructions packed with the connector.
6. Attach the "UHF" connector to the base of the antenna and tighten securely.
7. Place the rubber O-ring in the groove on the antenna ferrule.



8. Seat the antenna ferrule on top of the 1"-14 thread adapter and tighten the coupling ring securely. The adapter has special facets to prevent the antenna from rotating once the coupling ring has been tightened.

How to mount the antenna to a mast

To mount the antenna to a mast:

1. Feed the coax through the cable slot in the side of the thread adapter or through its bottom.
2. Install a male "UHF" connector (sold separately) for the size coax that you have chosen, according to the instructions packed with the connector.
3. Attach the "UHF" connector to base of the antenna and tighten securely.
4. Strap the thread adapter to the mast using stainless steel U-bolts, a mast mounting device, or strapping and appropriate hardware (not supplied).
5. Place the rubber O-ring in the groove on the antenna ferrule.
6. Seat the antenna ferrule on top of the thread adapter and tighten the coupling ring securely. The adapter has special facets to prevent the antenna from rotating once the coupling ring has been tightened.

Completing the installation

1. Route the coaxial cable to your VHF transceiver, keeping it as far as possible from other electrical equipment and cables.
2. Install a connector (sold separately) that is appropriate for your size coax and your radio's antenna connection.