

## 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**

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# Shakespeare<sup>®</sup> PHASE III<sup>™</sup> Style 6420 4' AM/FM Entertainment Band Installation Instructions

## IMPORTANT: Please read all instructions before installing.

Before you start, check parts supplied against those listed and obtain the required additional materials, if needed.

### Supplied Parts

- 1 Antenna assembly
- 1 1"-14 thread adapter
- 1 Rubber O-ring
- 1 Coupling nut
- 1 20' RG-62 coax cable with Type "N" connector and Motorola type plug installed

### 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.

### Required additional materials:

U-bolts, stainless steel strapping and appropriate hardware, if mounting the antenna to a mast

Coax extension kit, if needed to lengthen the included cable



35-90-1352-00

The Style 6420 is a Phase III® series, 530-16400 KHz and 88-108 MHz AM/FM Entertainment Band antenna with stainless steel ferrules and a female “N” connector. The antenna is 4.5’ overall length, including the 1”-14 thread adapter. 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. This antenna is supplied with 20’ of RG-62 coax cable, which can be lengthened if necessary by using appropriate extension cables such as Shakespeare Style 4352 10’ Extension Cable Kit (sold separately).

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

This antenna can be mounted self supporting only if you are using the recommended Shakespeare Style 4187-HD stainless steel ratchet mount (sold separately). Use the 1”-14 thread adapter (supplied) to attach the antenna to the mount. The slot in the side of the thread adapter will accommodate up to RG-213 size coax cable.

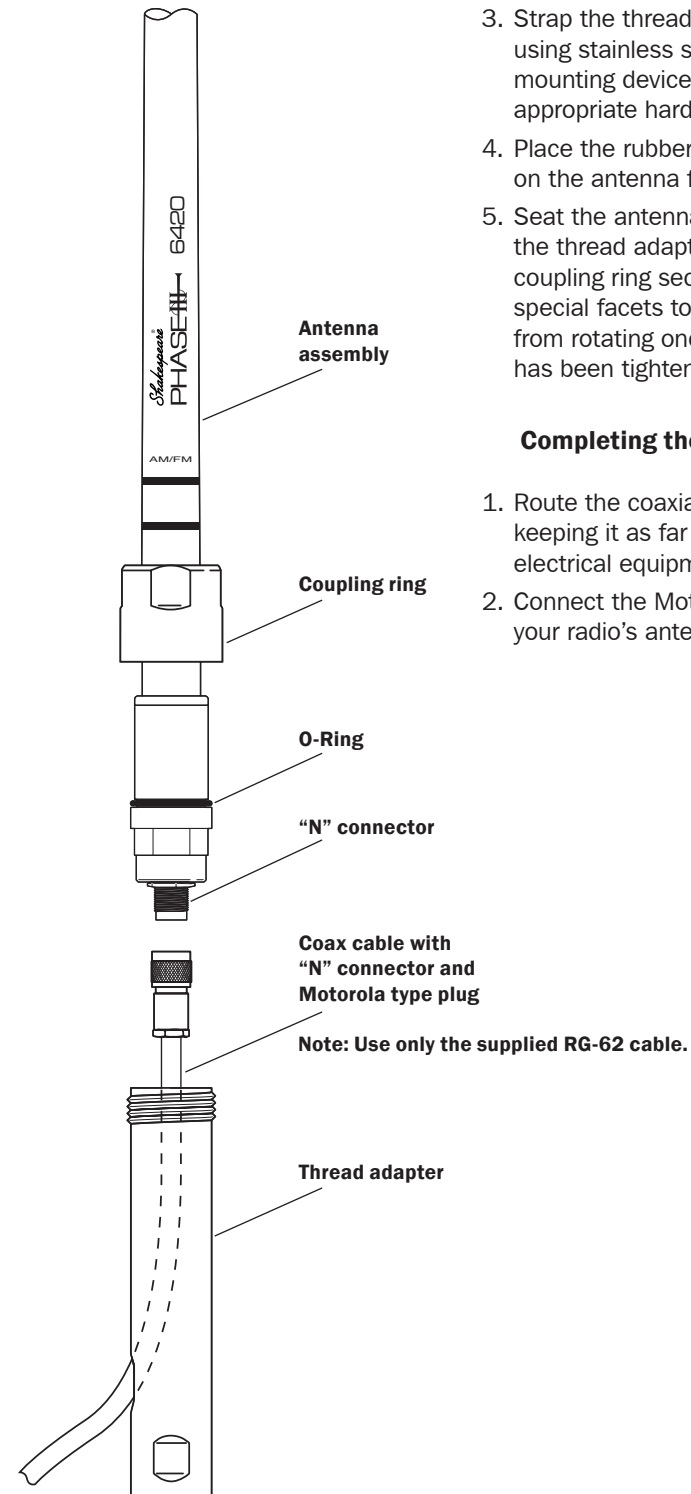
Assemble the antenna to the mount as follows:

1. 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.
2. Thread the 1”-14 thread adapter onto the mount and hand tighten.
3. Feed the coax through the slot in the side of the thread adapter or through the bottom and through the hole in your antenna mount, if one is provided.
4. Attach the “N” connector on the included coax cable to the base of the antenna and tighten it securely. Note: Use only the supplied RG-62 cable.
5. Place the rubber O-ring in the groove on the antenna ferrule.
6. 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 slot in the side of the thread adapter or through its bottom.
2. Attach the “N” connector on the included coax cable to the base of the antenna and tighten securely.



3. Strap the thread adapter to the mast using stainless steel U-bolts, a mast mounting device, or strapping and appropriate hardware (not supplied).
4. Place the rubber O-ring in the groove on the antenna ferrule.
5. 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 radio, keeping it as far as possible from other electrical equipment and cables.
2. Connect the Motorola type plug to your radio’s antenna port