

*Shakespeare*<sup>®</sup>

# STYLE 2020/2030 OMNI-DIRECTIONAL MARINE TV/FM ANTENNA

**Congratulations!** You have just demonstrated your discriminating taste by purchasing the Shakespeare Style 2020 or 2030, omnidirectional TV/FM antenna.

By carefully following the installation and connection instructions, you will receive years of superior performance from your new Shakespeare antenna.

**Special Note:** Please familiarize yourself with the assembly and installation of the 2020 or 2030 by reading all the way through the instructions before you begin actual installation.

## PARTS LIST

- (1) 2020 or 2030 Antenna
- (1) 30' RG-59 Low Loss Coax Cable
- (1) Connector Boot
- (4) Screw-on Type "F" Gold Connectors
- (1) 12 Volt DC/117 Volt AC Power Supply
- (2) No. 6 x 1/2" Screws

**WARNING!**  
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE POWER SUPPLY SECTION OF THIS APPLIANCE TO RAIN OR MOISTURE.

## ANTENNA MOUNTING INSTRUCTIONS

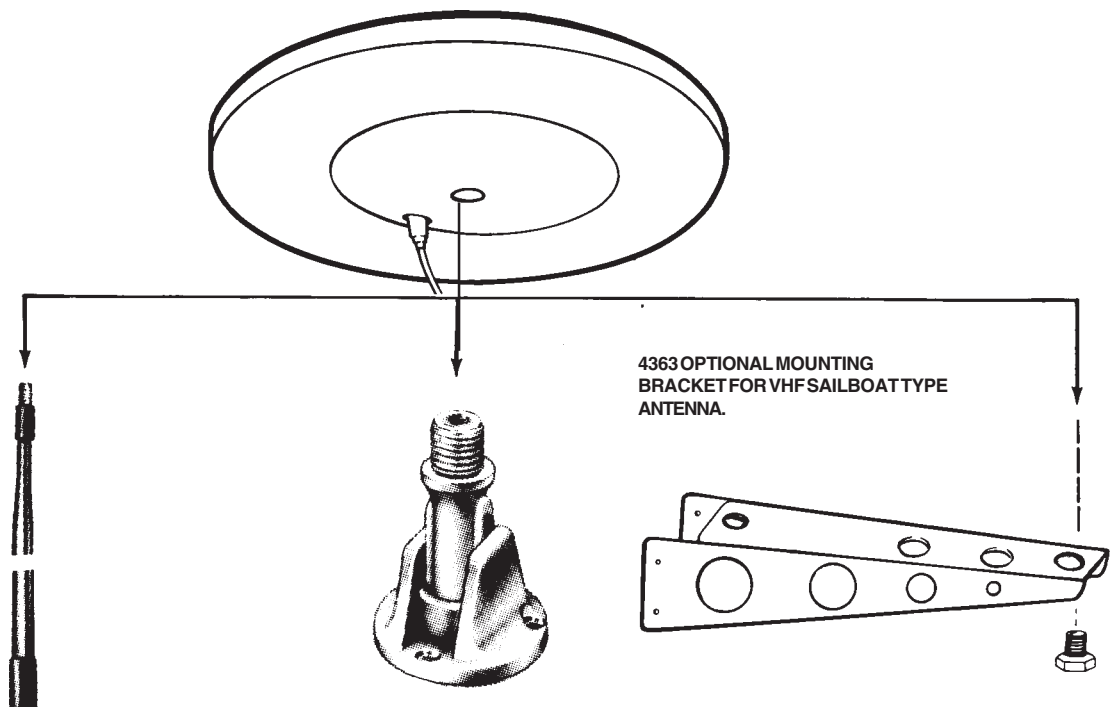
### Step 1

Mount antenna on a marine extension mast, standard 1"-14 thread marine antenna mount or sailboat mounting bracket as illustrated below.

### CAUTION

When attaching the antenna to the antenna mount, be very careful to start threads properly before screwing antenna into position. If antenna mounting socket and antenna mount are not aligned correctly, the antenna mounting socket threads will become crossed and eventually strip out.

Figure 1

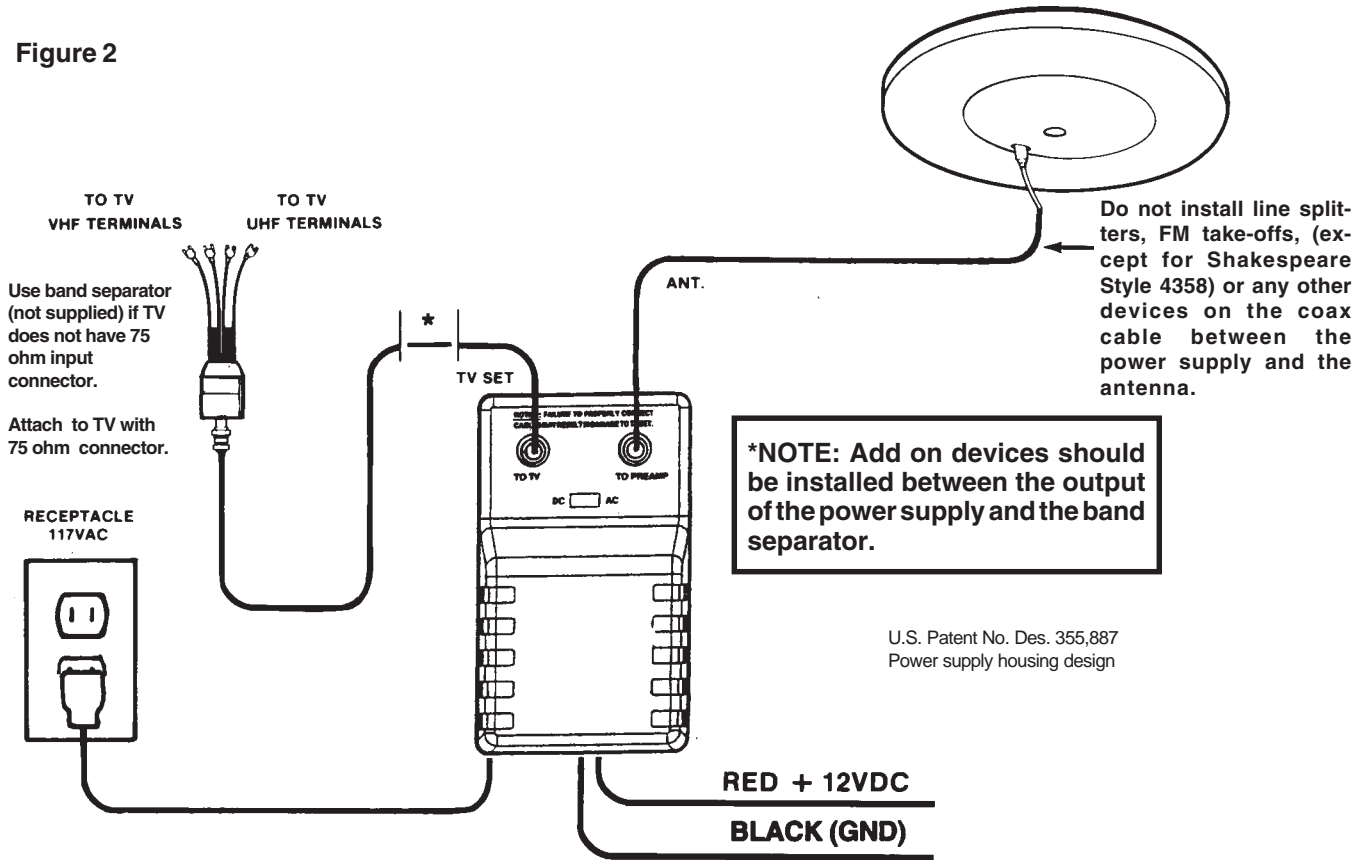


4008 MARINE EXTENDER

495 NYLON MOUNT

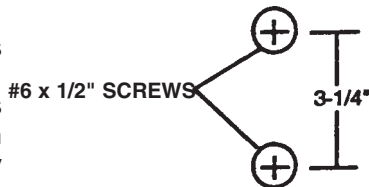
4366 SAILBOAT MOUNTING BRACKET

Figure 2



**Step 2**

In a convenient location, mount the two #6 screws vertically 3-1/4" apart leaving the screw heads approximately 1/8" from wall. Hang power supply onto screws.

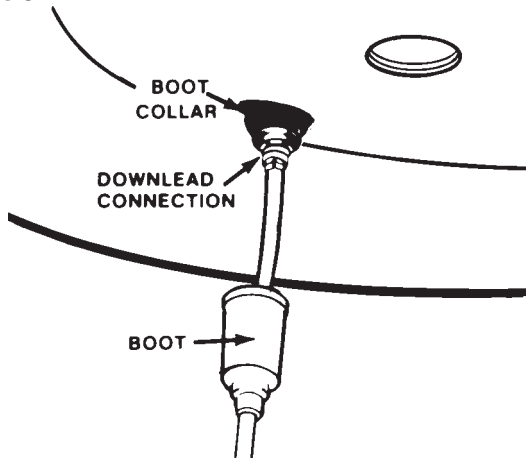


**Step 3**

Route the RG-59 cable from the antenna to this power supply. Allowing enough cable slack for later installation of "F" connectors, cut the cable. Route the remaining piece of RG-59 from the power supply to the back of the TV. See Figure 2.

**Special Note:** Place boot on cable before installing F-connector at the antenna. See Figure 3.

Figure 3



**Step 4**

To install the F-connectors, strip the ends of the RG-59 cable as shown in Figure 4A. (Note that the ends of the original 30' cable have been factory pre-stripped for your convenience.)

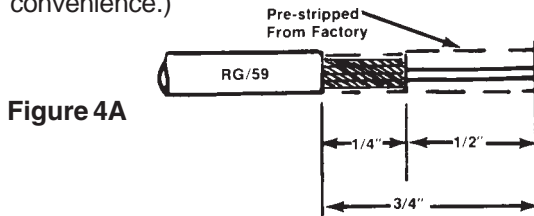


Figure 4A

Push back and twist the braid around the Dielectric until it butts against the cable jacket. Figure 4B.

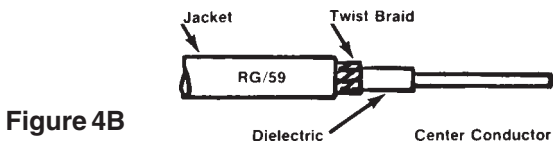


Figure 4B

Screw the F-connector onto the cable jacket until the Dielectric butts against the inner retaining ring. Cut the center conductor off flush with the end of the connector. See Figure 4C.

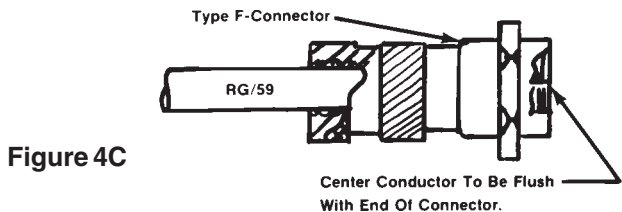


Figure 4C

Repeat this step to install all four type F-connectors.

### Step 5

Connect the F-connectors to the antenna, power supply and TV as shown in Figure 2. Be sure to fully seat boot over boot collar at the antenna. See Figure 3.

**NOTE:** If your TV does not have a 75 ohm input connector, use a band separator and connect it to the TV as shown.

### Step 6

Place the power supply mode selector in the "AC" position. See Figure 5. Connect the black power supply wire to the negative lead of your DC power source. Connect the red power supply lead to the positive lead of your DC power source. Plug the power cord into AC receptacle. See Figure 2.

### Step 7

**AC Operation:** Make sure the power cord is plugged in and move the "mode selector" switch to the "AC" position. See Figure 5. **If red LED light does not light, check cable for short.**

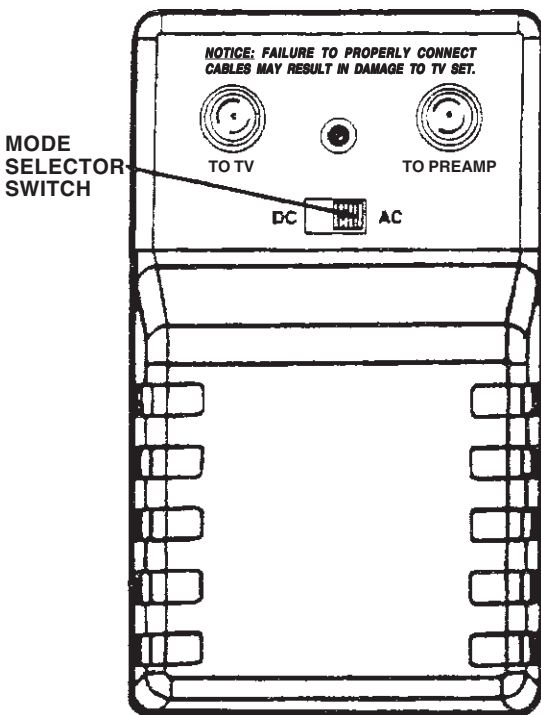


Figure 5

**DC Operation:** Move the "mode selector" switch to the "DC" position. See Figure 6. **If red LED light does not light, check cable for short.**

**NOTE:** The mode selector switch should not be left in the "DC" position for extended periods (one day or longer without use) as a slight battery drain will result.

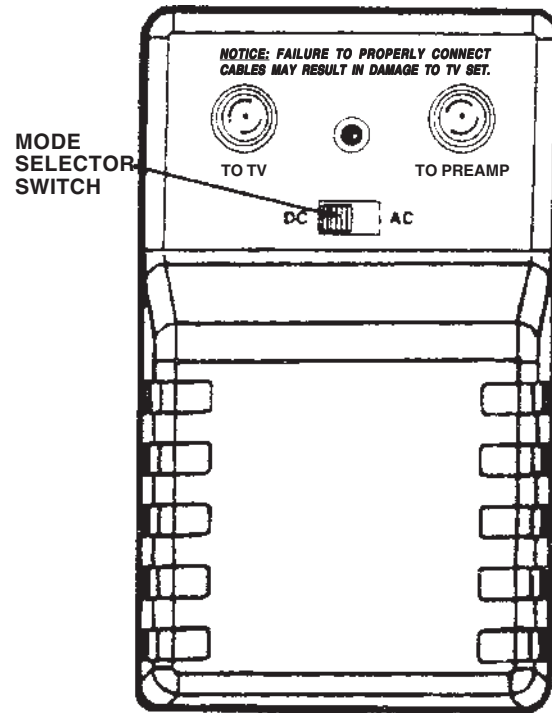


Figure 6

### RECOMMENDATIONS FOR INSTALLING COAX CABLE

**Minimum Bending Radius:** 3" for RG-59. Tighter bends will cause shorts and change impedance.

**Pulling Tension:** 75 pounds maximum. Leave no tension on cable after it is installed.

**Staples or Clamps:** The use of flat staples with coax cable is damaging to the cable. Only round headed staples can be used. Any clamps or securing devices used with coax should grip the cable evenly about the circumference without crushing the cable.

**Exposure to High Heat:** Maximum temperature limit is 80°C (176°F). Keep cable away from heating vents, engine compartments and engine exhaust pipes.

**Crushing:** Coax should not be installed in a manner that would allow it to be crushed and it should not be stuffed or wedged into areas where the cable could be pinched by the flexing of the boat hull/cabin.

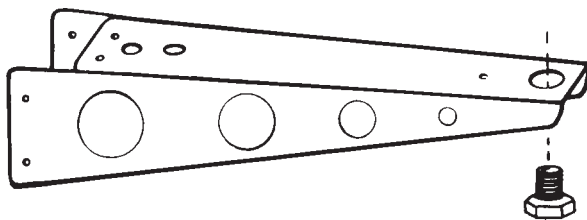
**Exposure to Moisture:** Cable jacket will withstand most outdoor environments. However, connections and splices must be sealed against water entry.

## OPTIONAL ACCESSORIES AVAILABLE

### 4366

#### Sailboat Mast Mount

Aluminum sailboat mast mount for the SeaWatch 2020 & 2030 Marine TV Antennas. Pre-drilled for the 4363 VHF antenna bracket.



### 4364

#### 1" Extension Mast

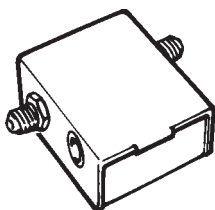
One inch diameter extension mast for light to moderate duty applications. White molded polycarbonate male upper and female lower 1" - 14 threads.



### 4358

#### FM Take-off

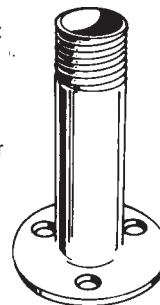
Designed to provide FM radio signals from TV antenna. The 4358 may be attached anywhere in the downlead cable and will not interfere with regular TV reception. FM radio signals are available at a standard female Motorola jack on the take-off.



### 4365

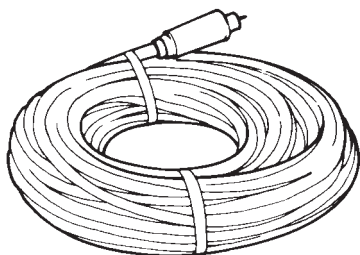
#### Straight Mount

4" high 1"-14 thread stainless steel mount. Perfect for radar arches. May be used with Style 4364 one foot extension mast.



### 4330

30' RG-59 low loss, marine type, coaxial TV cable.



### 4360-B

50' RG-59 low loss, marine type, coaxial TV cable.

### FS-8101

#### "F" type Barrel Connector

Use with two TV-1060 "F" connectors to form a secure RG-59 cable splice.



### TV-1060

#### Screw-on "F" type Connector

No soldering or crimping required. Two per pack.



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Shakespeare Electronic Products Group  
6111 Shakespeare Rd., Columbia, SC 29223