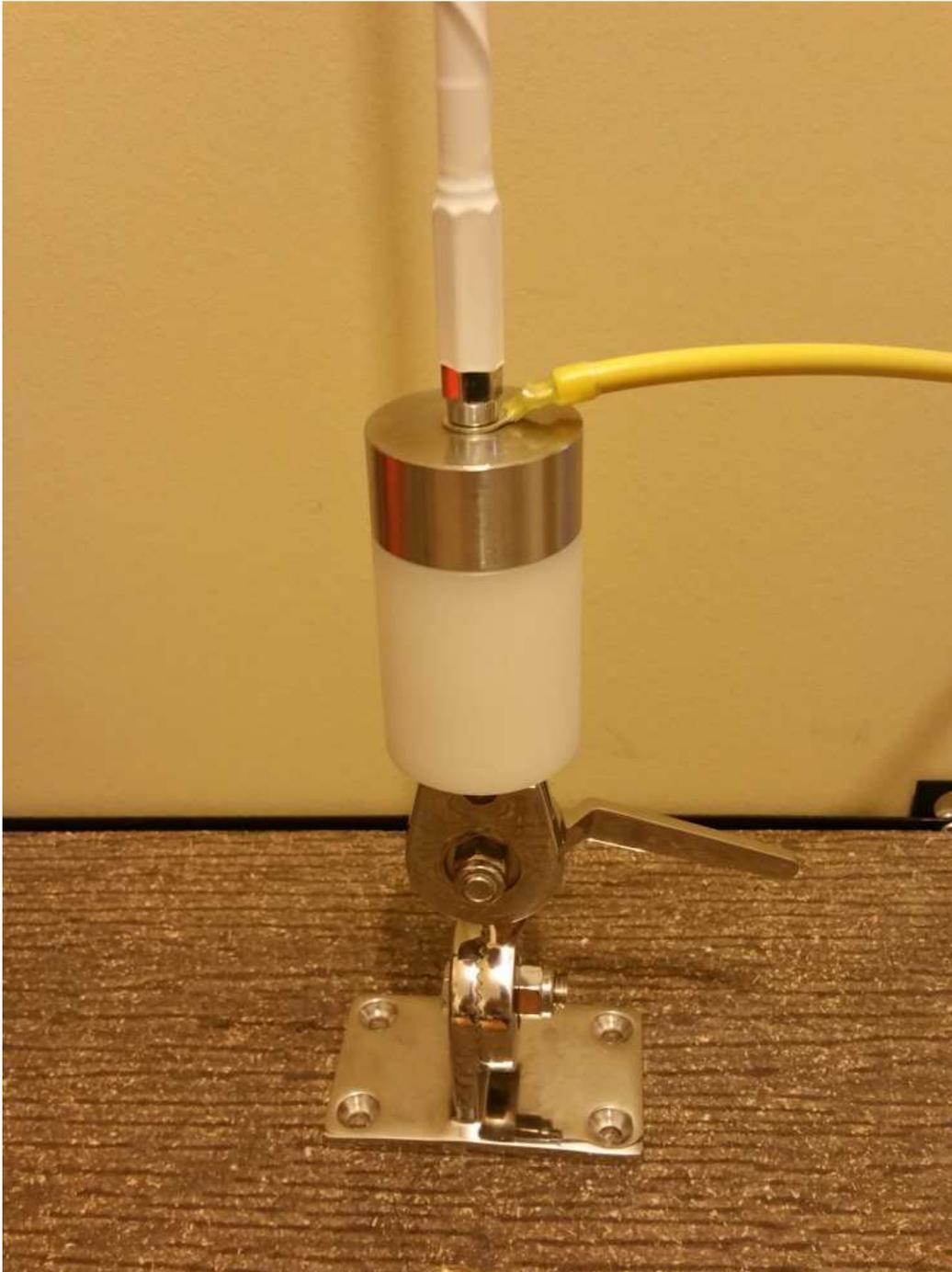


HF-SSB Whip Antenna for use with Auto Tuner



Installation Manual

1.1 GENERAL

The antenna should be installed clear of any metal structures or any other antennas. High voltage cable should be as short as possible for best performance.

1.2 ASSEMBLING THE ANTENNA SYSTEM

1.2.1 Tools and Accessories

You will need the following:

- Phillips Screwdriver
- Ground braid strap (PN FKN4314), supplied with the Tuner
- 1ea Open end wrench 1/2"
- 1ea Open end wrench 11mm
- Wire crimp tool
- Heat gun

1.2.2 Assembly Instructions

Step 1. Remove all hardware from packaging as shown in Figure 1.



Figure 1.

Step 2. Install mount to surface with provided 1/4-20 bolts and lock nuts.

Step 3. Turn locking handle counter clockwise to loosen the mount, orient in desired position and turn handle clockwise to tighten.

Step 3. Measure the distance between the antenna tuner High Voltage connector and the

top of the antenna mount. Cut the provided yellow high voltage cable to this length.

Step 4. Remove approximately 1/4" of insulation from the end of the wire and install the included ring terminal by fitting it over the wire and insulation. Crimp the ring terminal firmly, then heating evenly with a Hot air device until the solder in the ring terminal begins to melt. Do not leave the heat in the same position very long as it may damage the heat shrink. When the solder is melted, leave in the same position until the solder cools.

Step 5. Attach the smaller ring terminal of the high voltage cable provided with this antenna kit to the ATU RF output. While holding the high voltage cable, push the rubber yoke cover (provided with tuner) until it slips on the yoke. Ensure High Voltage cable does not come in contact with metal surface. Refer to figure 2.

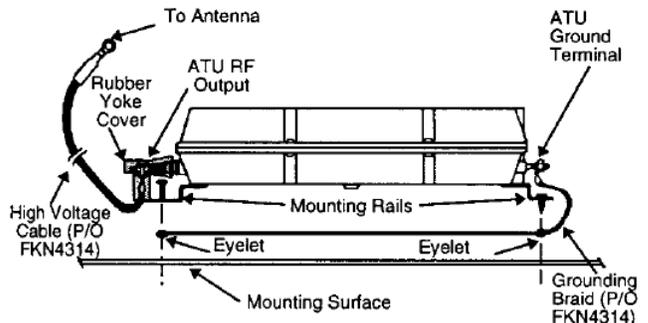


Figure 2.

Step 6. Install the larger ring terminal on the antenna mount, place the ring terminal between the provided whip antenna and the mount. Tighten the whip with a 1/2" wrench.

Cable Interconnections

Step 1. If not previously installed: Route the RF cable between the ATU and the radio.

Step 2. Connect the RF coaxial cable to the ATU's RF input.

Step 3. Connect the RF cable to the radio.

OPERATIONAL CHECK

When the system installation is completed, perform the following operational check:

Step 1. Install an in-line wattmeter between the radio and the ATU.

Step 2. Turn on the radio.

Step 3. Ensure the Antenna Tuner is enabled in the transceiver. Refer to transceiver operating instructions.

Step 4. Key the radio and whistle into the microphone; observe the forward and reverse power reading on the wattmeter. The forward power should be at least three times greater than the reverse power.

Step 5. Perform step 4 for each channel used.

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