

MICOM-2 ATU HF-SSB Mobile Automatic Antenna Tuner



Installation Manual
68MB000005

Supplement to Service Manual
68P02948C35-O

INSTALLATION

1.1 GENERAL

The Tuner can be installed on the car roof, using installation kit FLN2676, or over an external spare wheel, using installation kit FLN2684.

1.2 ASSEMBLING THE TUNER ON A VEHICLE ROOF (FLN2676)

1.2.1 Tools and Accessories

In order to assemble the Tuner on a vehicle roof, you must first install a standard luggage rack on the vehicle roof.

In addition, you will need the following:

- Accessory kit FLN2676
- RF coax cable (PN FKN4589), supplied with the Tuner.
- Nut Driver 7/16" (VACO S-14, USA)
- A Phillips tip screwdriver
- Metal saw

1.2.2 Assembly Instructions

Step 1. Open the fourteen M4 screws holding the Tuner housing cover in place.

Step 2. Open the four M6 screws holding the antenna base in place.

Step 3. Measure the required spacer height, and cut four spacers off the supplied aluminum spacer rod, making the spacers 2mm shorter than the required length.

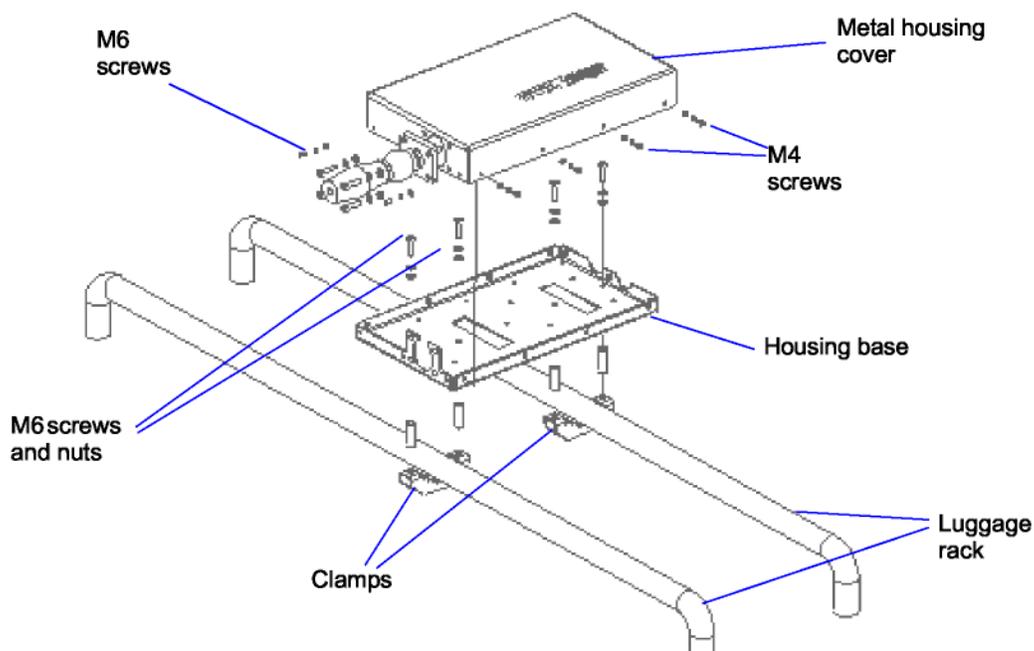
Step 4. Place one of the supplied clamps under the bar of the luggage rack, and place two spacers above the clamp.

Step 5. Use two M6 screws to attach the base of the Tuner housing to the clamp and spacers.

Step 6. Repeat the previous two steps for the other clamp, securing the Tuner to the other side of the luggage rack.

Step 7. Replace the Tuner cover, using the 14 M4 screws previously removed.

Step 8. Replace the Tuner antenna base using the four M6 screws previously removed.



1.3 ASSEMBLING THE TUNER ON A SPARE WHEEL (FLN2684)

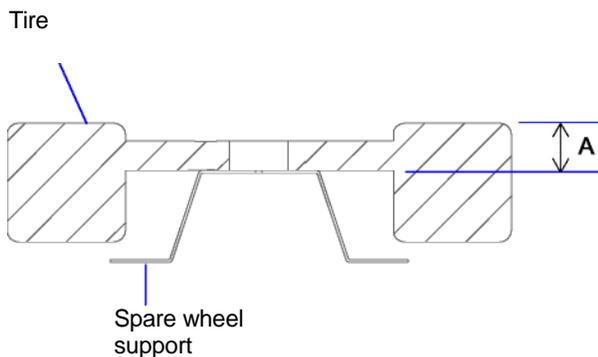
1.3.1 Tools and Accessories

You will require the following tools and accessories for installation of the Tuner on a spare wheel:

- Accessory kit FLN2676
- RF coax cable (PN FKN4589), supplied with the Tuner.
- Nut Driver 11/16" (VACO S-17, USA)
- Nut Driver 7/16" (VACO S-14, USA)
- A Phillips tip screwdriver
- Metal saw

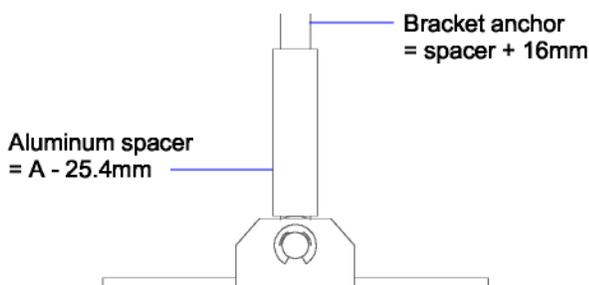
1.3.2 Assembly Instructions

Step 1. Measure the distance between the spare wheel support and the outer tire rim ("A" in the following figure).



Step 2. Cut a spacer off the supplied aluminum spacer sleeve, making the spacer 25.4 mm (1 inch) shorter than the measured length.

Step 3. Cut the bolt protruding from the bracket anchor so that it is 16mm (5/8 inch) longer than the spacer prepared in Step 2.



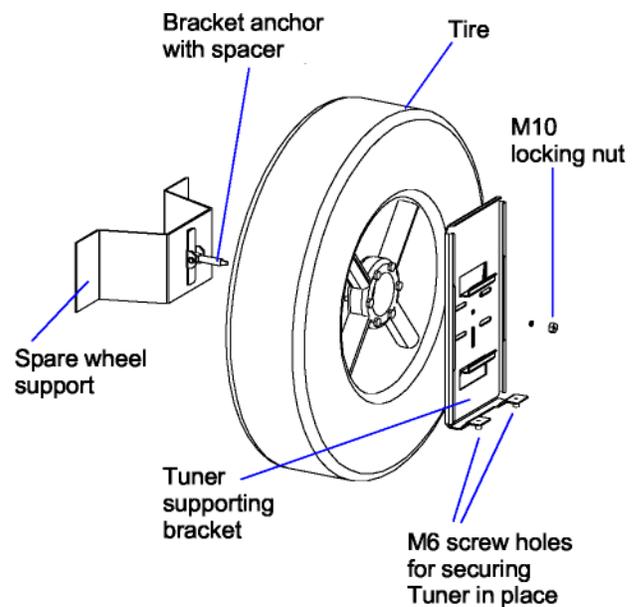
Step 4. Release the screws somewhat securing the spare wheel to the support, but do not remove the wheel.

Step 5. Insert the bracket anchor between the spare wheel hub and the wheel support, so that the bolt protrudes through the center of the hub hole.

Step 6. Refasten the spare wheel screws.

Step 7. Place the aluminum spacer over the bracket anchor bolt.

Step 8. Position the Tuner bracket over the spare wheel, so that the hole in the center of the bracket is aligned with the anchor bolt and spacer.



Step 9. Use the supplied locking nut and washer (M 10) to secure the base onto the anchor and spacer, tightening until the bracket is securely held in place.

Note that the tire serves as the bracket support.



Note

Step 10. Hang the Tuner onto the bracket and lock it in place using two M6 screws.

1.4 CONNECTING THE RADIO TO THE TUNER

Step 1. Connect the RF coaxial cable to the RF input of the Tuner.

Step 2. Connect the other end of the RF coaxial cable to the radio.

Step 3. Connect the grounding GND shield to the car chassis and to the grounding stud on the housing of the Tuner.

Step 4. Connect the antenna to the antenna base on the Tuner.



The Tuner is preset for proper tuning operation and requires no additional adjustment or programming.

1.5 OPERATIONAL CHECK

After the Tuner has been installed and connected, you must perform the following operational check:

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

Step 2. Turn on the radio.

Step 3. 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 4. Repeat Step 3. for each channel used by the radio.