

MFJ-57B PVC Cross Loop Antenna Kit

Introduction:

The *MFJ – 57B PVC Cross Loop Antenna Kit* is designed to be used along with the *MFJ-933*, *MFJ-935B* and *MFJ-936B Small High Efficiency Loop Tuners* to provide coverage on 10.100 – 14.350 MHz by using only one loop length. The length provided in this kit, 13-feet, is designed to be most efficient on 14.350 MHz, and the loop can be tuned lower in frequency with some efficiency loss. Exact frequency coverage and efficiency depends on each individual installation involving shape of loop, height above ground level, and operating environment.

<u>Loop Length</u>	<u>Band Coverage</u>
13 feet- - - - -	30 – 20 Meters (10.100 – 14.350 MHz)

Parts included in this kit:

- 3 – PVC Cross Arms, Notched for loop wire
- 1 – PVC Cross Base, Un-notched
- 1 – PVC Cross Connector
- 1 – Insulated, 10 gauge Flexible Loop wire for 30 – 20 Meters, 13 ft long with low resistance lugs

Installation Instructions:

1. Assemble the PVC Cross Mount as shown in Figure 1.
 - a. Place *Notched PVC Cross Arms (2)* on each side and top of the *PVC Cross Connector (3)*.
 - b. Place *Un-notched PVC Cross Base (4)* on the bottom of the *PVC cross Connector (3)* and fit into the *Cap (5)* on the top of the *Loop Tuner (6)* as shown in Figure 1.
2. Place the *Loop Tuner (6)* at the chosen place of operation and attach the *Flexible Loop (1)* as shown in Figure 1.
 - a. Place the *Flexible Loop (1)* wire around the PVC cross mount and fit into the notches on the *Notched PVC Cross Arms (2)* forming a loop.
 - b. Attach the lugs to the rear panel of the tuner using the wing nut terminals provided on the back of the *Loop Tuner*.
3. Read and follow *Loop Tuner* instruction manual for system operation.

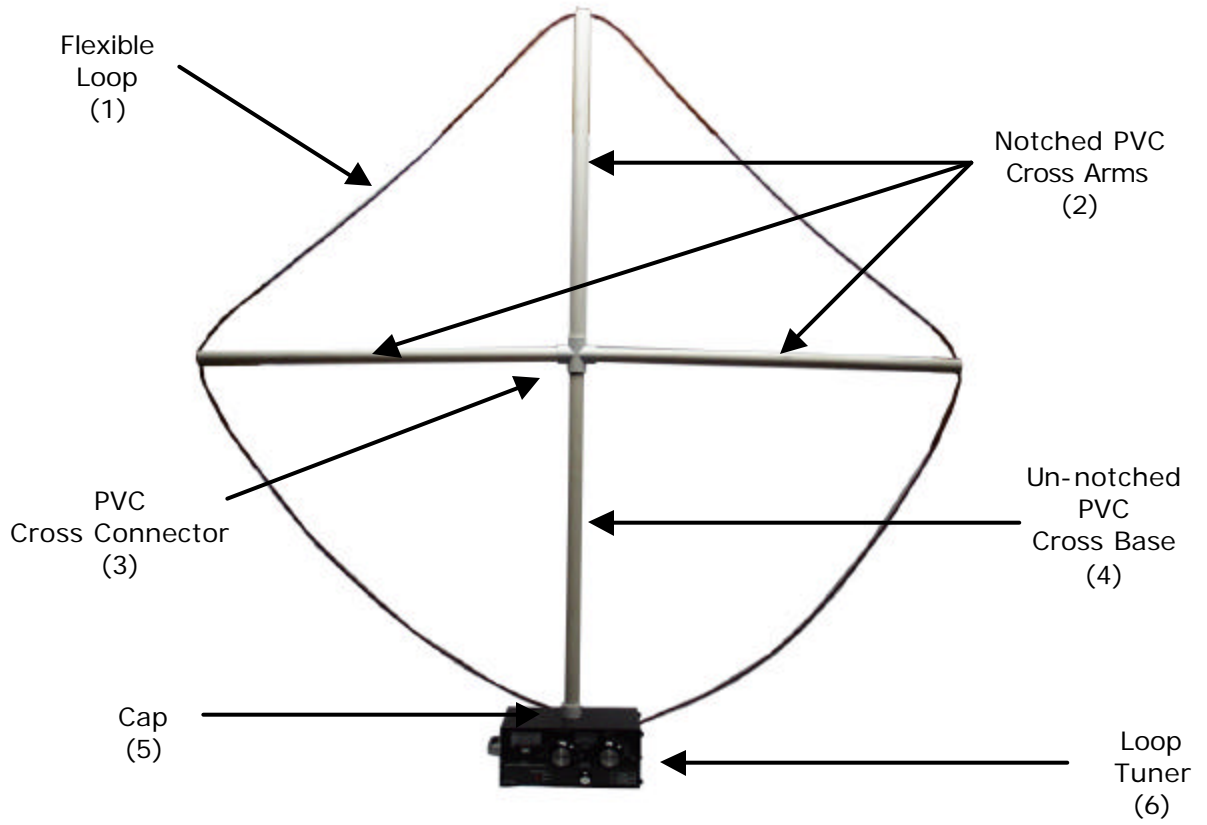


Figure 1: PVC Cross Mount Loop Assembly