

# INSTALLATION INSTRUCTIONS

## EMFLX-M10008-WB VHF WIDE BAND ANTENNA

### 144-174 MHz (Factory Tuned)

*Congratulations on your selection of another quality antenna product from E/M Wave.*

*E/M Wave is committed to continually provide the greatest antenna VALUE for your wireless applications.*

#### 1. Parts (Figure 1):

Verify all parts are included with the Antenna as shown in Figure 1.

- A. Antenna Whip
- B. e/m-Flex™ Poly Spring Assembly
- C. NMO Base Adapter
- D. O-Ring

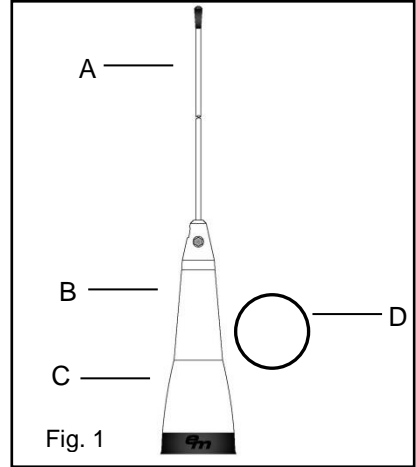


Fig. 1

#### 2. Tools:

- a. **Antenna is factory tuned for 144-174 MHz.** Special tools are **not required** to install or adjust the frequency of the antenna. The antenna is intended to be installed using a firm hand torque until the sealing O-ring is completely compressed against the installation surface.

#### 3. Pre-Installation (Figure 2):

- a. **Ground-plane:** The antenna requires a conductive metallic ground-plane surface to achieve operational performance. Always mount antenna to the appropriate NMO Mount within the center of the ground-plane surface.
- b. Ground-plane surface should be a minimum of 40 inches square (1m).
- c. Ensure O-ring is properly seated within O-ring groove as shown in Figure 2.
- d. **Important:** Verify proper operational frequency, as labeled. (Figure 2).

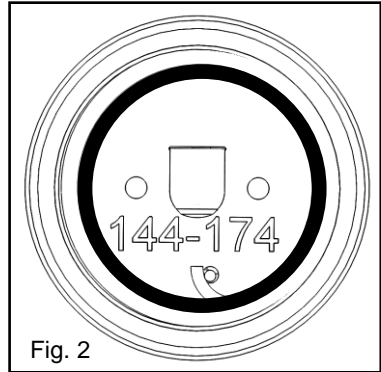


Fig. 2

#### 4. Installation (Figure 3):

- a. Verify contact spring is extended.
- b. Thread NMO Base Adapter onto the NMO mount. Tighten by hand until O-Ring is completely seated.
- c. Thread Spring onto NMO Base Adapter. Firmly torque by hand.
- d. Verify VSWR.
- e. **NOTE:** Antenna is factory pre-tuned for the specified bandwidth. **Do not apply adjustments to whip length.**

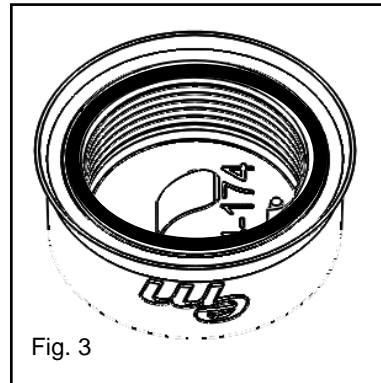


Fig. 3