Roof Mount Antenna Installation Considerations
Roof Mount Tri-Band VHF/UHF/CEL Tactical Antenna

MODEL NUMBER: RFMT-TB-V/U/C

COVERAGE: Full bandwidth from 136-174, 380-520 & 762-870 MHz

PLEASE VERIFY:

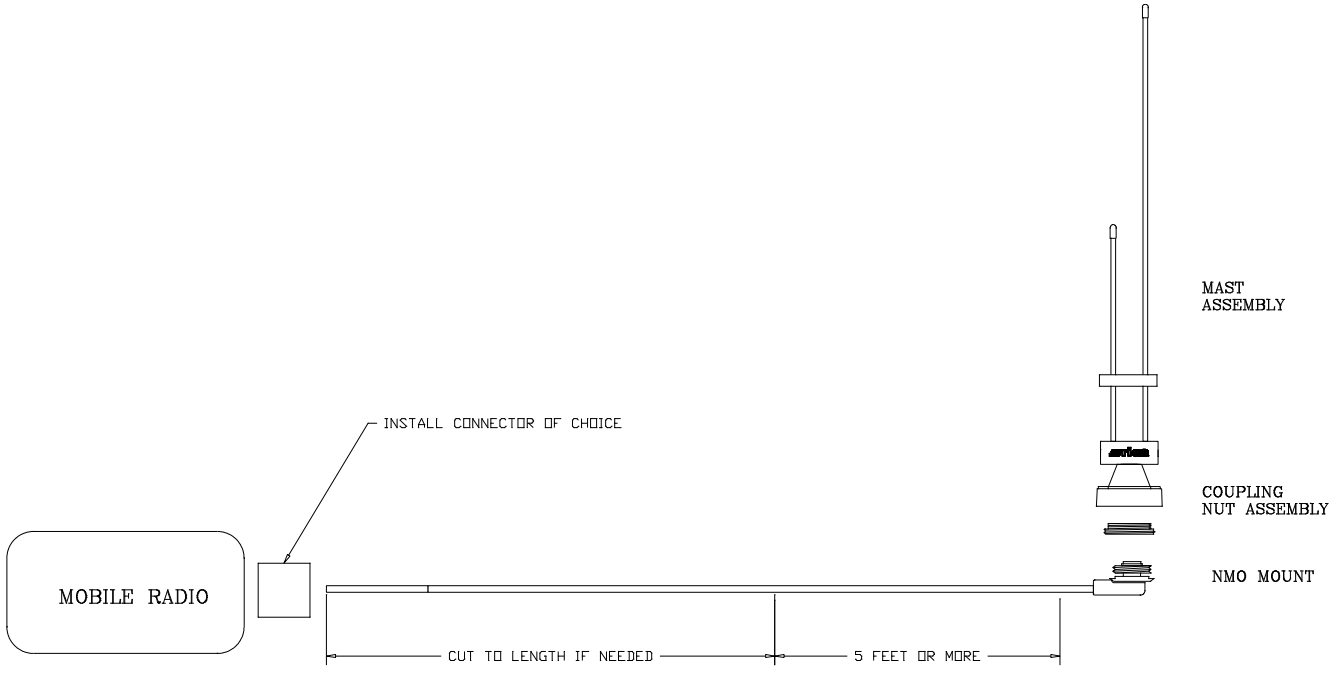
1. **Parts List:** This package consists of an antenna with attached cable and a connector for the two-way radio. Use only the components supplied with the antenna system.

INSTALLATION:

1. **Placement:** Select a desired location for the antenna on roof or trunk lid. When mounting antenna on the roof, remember to allow room for the feedline. Drill 3/4" hole. Remove any burrs above and below the hole. *Keep in mind that some vehicles may have composite trunk lids that will not provide a proper ground.*

2. **To install:** Insert RF cable through the hole from outside of vehicle. *Be careful not to tear the cable's sheath when pulling it through sharp body panels. If a hole appears in the sheath, cover it with several layers of a high quality electrical tape.*

Tilt the antenna base slightly and insert into mounting hole. Thread the locking nut, with "O" ring seated in groove, onto base and tighten. Make sure mounting base is centered and shoulder is seated properly. Locking nut must compress "O" ring and make contact with vehicle.



Technical Support: E-mail: techsupport@sti-co.com Phone: 1-716-662-2680 Fax: 1-800-685-1122

Made in U.S.A.

3. **Assembly:** Assemble the remainder of the antenna as shown.
4. **Cable Cutting:** If preferred, cut the feedline cable to the length required to reach the transmitter leaving **a minimum of at least 5 feet attached to the antenna base** (See the Roof Mount Antenna diagram).
5. **Install Connectors:** Refer to Cable Stripping Dimensions diagram.

TESTING:

Installation testing if desired, must take place at the transmitter side of the feedline. Make sure all doors, the hood, and trunk are closed.

1. **Reflected Power:** When measuring reflected power using a wattmeter, you can expect a maximum of 25%. If results are greater than 25%, recheck grounding.
2. **SWR:** A measurement of SWR (**S**tanding **W**ave **R**atio) should yield better than 3:1. If greater than 3:1, recheck grounding.
3. **Continuity:** A test of continuity between the center pin and ground for this antenna will show as an open. This will ensure that the cable connectors and cables have the proper continuity.

Technical Support: E-mail: techsupport@sti-co.com Phone: 1-716-662-2680 Fax: 1-800-685-1122

Made in U.S.A.