Installation Considerations
Magnet Mount

MMAS-BSSF (*FOR USE WITH SUV AND VANS ONLY)*

VERIFY:

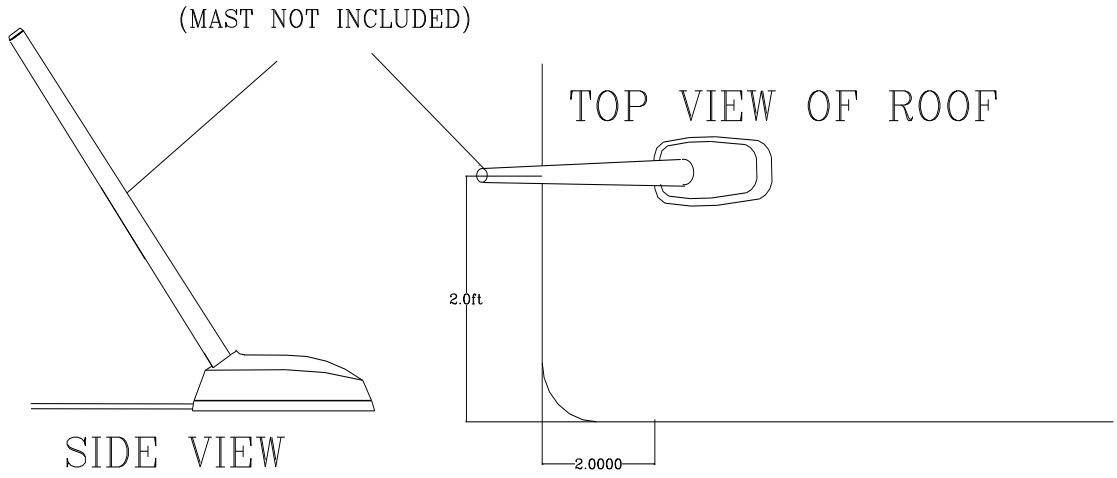
1. **Part List:** The package includes an antenna base with a cable and connector. NOTE: Supports only those masts with flush, SF-style, SMA terminations.
2. **Bandwidth:** The MMAS will support masts with frequencies from 100 MHz to 1 GHz.
3. **Power:** Masts supplied by Sti-Co (optional) are rated for 5 watts. See manufacturer specifications if supplying your own mast.

INSTALLATION:

1. **Placement:** Select a flat surface on the rear of the roof as shown below. Antenna is design to operate best placed in the corner of the roof with the approximate dimensions shown.

   Note: *If the area is convex, a rocking motion will be encountered. A concave surface will reduce the magnet's holding power affecting the quality of the antennas "RF" ground.*

   Keep in mind that some vehicles will have aluminum or composite roofs.



2. **Run Cable:** Route coaxial cable toward the two-way radio by passing the cable through the rear door the being tucked under the interior vehicle trim. Cable will normally not be damaged by opening and closing the rear door.

   Note: *Be careful not to tear the sheath of cable when pulling through sharp body panels. If a hole appears in the cable's sheath, cover with several layers of a high quality electrical tape.*

3. **Electromagnetic interference:** Do not coil the feedline cable. If limited space is a concern, fold the cable upon itself rather than coiling. Do not tape or secure any feedlines to data or vehicle cables during installation.

TESTING:

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

Note: *Some vehicles are sensitive to VHF frequencies. STI-CO suggests that you isolate feedlines and check for unwanted interference with the ignition switch on.*

1. **Reflective Power:** A measurement of reflective power using a wattmeter, you can expect up to 11% reflected power. When results are greater than 11%, reposition antenna.
2. **SWR:** A measurement of SWR (standing wave ratio) will yield better than 2:1. If greater than 2:1, reposition antenna.
3. **Continuity:** A test of continuity between the center pin and ground will show as a short for this antenna.

CAUTION: The mast must be removed before entering a car wash.