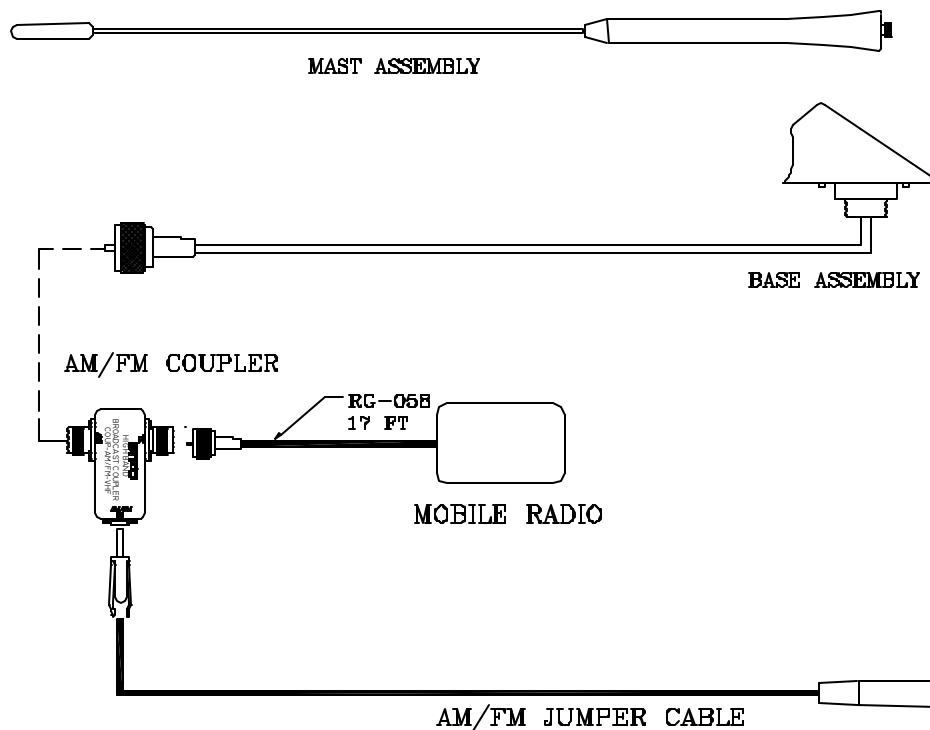


OEM Roof Mounted Installation Considerations Superband®, VHF Antenna

EURO-SB-VHF

VERIFY:

1. **Part List:** The system package includes matching cable network, broadcast coupler, feedline, and connectors if applicable. Use only components supplied with the antenna system (Refer to Figure 1-Parts List).
2. **Bandwidth:** VHF Superband® antennas are 24 MHz wide. The antenna is designed to operate between 150 MHz to 174 MHz unless otherwise specified. Be certain that the antenna was tuned to the frequency required.



INSTALLATION:

1. Procedure:

- a. Remove “one way clips” on the inside roof panel near the window and set aside.
- b. Remove OEM antenna connection for the AM/FM radio, let hang. **Note: Some applications do not have existing OEM antennas. In that case a 3/4” hole is require. See attached template**
- c. Remove the original antenna using a wrench to loosen nut.
- d. Position the disguised antenna mount into hole from the top. It helps to have an extra set of hands to hold and align the new antenna.
- e. Attach matching network to AM/FM coupler, marked “ANT”.
- f. Attach jumper cable to OEM clip and AM/FM coupler, marked “AM/FM BC” (If not using the AM/FM option it is still required to have the coupler in-line)
- g. Attach feedline to AM/FM coupler marked “TX” continue to two-way radio. Trim excess cable, attach connector and then attach to your two-way radio.
- h. Before re-installing trim to the vehicle, it is recommended that testing is performed. (see below)

***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.*

TESTING:

Installation testing, if required, must take place at the transmitter side of the feedline. This will ensure that the cable connectors and cables have the proper continuity. Make sure all doors; hood, and trunk are closed.

***Note:** Some vehicles are sensitive to VHF frequencies. STI-CO suggests that you isolate feedline 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%, recheck grounding.
2. **SWR:** A measurement of SWR (standing wave ratio) will yield better than 2:1. If greater than 2:1, recheck grounding.