



Cellular Mount Installation Considerations Trunk Lip Mount, Superband ®, VHF Antenna

TKLP-SB-VHF
PATENT 5771026

VERIFY:

1. **Part List:** The package includes antenna with cable, connector, and hardware (See attached drawing). Use only the components supplied with the antenna. i.e. mast and cables.
2. **Bandwidth:** VHF Superband ® antennas are 24 MHz wide; within the range of 150-174 MHz. Extended tuning ranges are available. Be certain that the antenna was tuned to the frequency required.

INSTALLATION:

1. **Placement:** Select a desired location for the antenna; it may be mounted in the center of the trunk nearest to the rear window. If the antenna comes into contact with the window when raising the trunk lid, you may move it to either side of the trunk lid, away from the AM/FM radio antenna.

Note: Keep in mind that some vehicles will have aluminum or composite trunk lids.

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

2. **How to attach:** Route coaxial cable through raised trunk lid.

Tilt mounting base and hook the clamp bracket on trunk lip, avoid pinching cable.

Tighten setscrews to contact grounding surface.



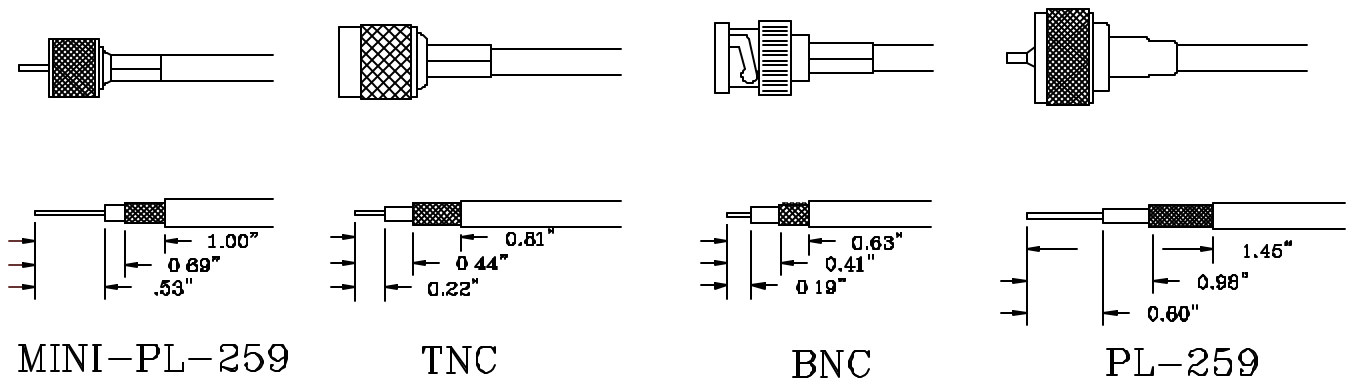
VHF Superband ® Cellular Look-Alike Antenna

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3. **Assemble:** Assemble the remainder of the antenna as shown. Apply a small amount of silicone grease to spring loaded pin in base and the stud that the mast threads onto.
4. **Cable Cutting:** The feedline cable may be cut only between the last cable junction and the transmitter. If desired, cut the feedline cable to the appropriate length required to reach the transmitter. (See VHF Superband ® Cellular Look-Alike Antenna drawing)
5. **Install Connectors:** Refer to the Cable Stripping Dimensions drawing (drawing is not to scale).



Cable Stripping Dimensions

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 the doors, hood, and trunk are closed.

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.

CAUTION: The mast must be removed at the knurled portion of the mast assembly before entering a car wash.