

5 Antenna Installation

When choosing an antenna for your modem installation you should select one that meets the following specifications:

- Cellular frequency band
- TNC connector
- 50 ohm cable
- 2.0 dBi (+/- 0.5 dB)

Note: In order to meet the FCC's requirements for Minimum Permissible Exposure (MPE) the antenna must be mounted such that no persons may come within 30 cm (1 ft) of the antenna while radiating.

Please follow these recommendations when installing your antenna:

- Install the antenna only according to its manufacturer instructions.
- Connect the antenna's TNC connector to the modem's Antenna connector.
- Only mount the antenna where designed to be mounted.
- Do not install a glass mount antenna on metallic glass or with the antenna conductor placed over the rear window heating wires.
- Do not mount a roof mount antenna on a fiberglass or plastic surface.

Care should be taken when choosing the location on the vehicle for the antenna installation:

- Select the highest possible point on the vehicle to install the antenna.
- Select a location that has easy access to a cable run to simplify connecting the antenna to the modem.
- Select a cable run that is free of hazards such as excessive heat, possible screw punctures or that requires pinching of the cable when installing it.
- Select a cable run that allows the cable to remain fixed in place. A cable that has to move in hoods/doors or other moveable locations on the vehicle will eventually fray and break.
- Select a cable route that is at least 8 inches (20.3 centimeters) away from any microprocessor controlled electronic equipment.

5.1 Checking Your Modem Connections

After installing the Power cable (and checking the voltages) and installing and connecting the antenna turn on the ignition again. Four LEDs should turn on briefly, then the SVC LED will continue to blink. Other LEDs may also blink.