

## Important Highlights and Key Points for Proper Antenna Installation

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- \*The antenna Installer may encounter various obstacles with individual vehicle designs that may require different placement, routing of antenna cables or drilling of holes to complete the mounting procedure.
- \*Mount the antenna on the outside of the vehicle (roof or trunk).
- \*The antenna must be mounted on a metal surface to work correctly. If the surface is not metal, the antenna must be ordered with a built in metal ground plane.
- \*The antenna must be mounted horizontally - parallel to the ground (not mounted on a vertical surface).
- \*The antenna must be mounted to a flat, clean dry surface. Avoid mounting the antenna near panel seams and or rivets so the antenna gaskets can seal properly.
- \*The antennas should be installed with a minimum distance of 18 inches from existing antennas, light bars or obstacles protruding from the roof or trunk lid of the vehicle. If there is an antenna using the same frequency range, make sure it is mounted 20 or more inches away.
- \*When routing cables, DO NOT PULL ON CONNECTORS! Pulling directly on connectors will cause internal damage and loss of the signal at the radio receiver, GPS or modem. When routing cables, pull on the coaxial cable only.
- \*When mounting adhesive type antennas, make sure that the surface temperature where the antenna is to be mounted is between 85°F to 100°F (30°C to 38°C). Cooler surface temperatures will cause improper adhesion of the antenna to the surface.

### Troubleshooting Check List:

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- Is the antenna mounted on the outside of the vehicle?
- Is the antenna mounted on a horizontal surface?
- Is the antenna mounted on a flat metal surface?
- Is the antenna at least 18 inches away from all other antennas or obstacles?
- Is the antenna attached snug/firm?
- Are the cables connected to the right ports on the docking station?
  - \*Cellular to Cellular (WWAN)- Blue Label, Wi-Fi to Wi-Fi WLAN- White Label, GPS to GPS
- Are the connectors tight and screwed on all the way?