DORAN 360 Remote Antenna Kit (Part #3623)

The #3623 remote antenna kit greatly enhances the communication between the sensors and the display. This allows the Doran 360 receiver/display reception point to be closer to the Tire Pressure Sensors.

1. General Cable Routing

Determine the most practical option for routing the cable from the 360™ receiver/display to the remote antenna mounting location. Most vehicles have pre-existing holes under the driver's side kick plate that will allow for an entrance point into the cab. Typically it is easier to route the 90° end of the cable into the cab and then proceed with routing the remaining portion of the cable to the antenna location.

Figure 1

2. Remote Antenna Mounting

It is recommended that the remote antenna be mounted as close to the rear drive axle as possible in order to maximize reception range. In tractor and trailer combination applications, mount the antenna on a cross member behind the last drive axle. The orientation of the antenna needs to be vertical, **pointing DOWN towards the ground**, not horizontal (Figure 2 and 3).The included aluminum bracket can be bent to accommodate orienting the antenna (Figure 3). Place the nylon shoulder washer and nylon washer in the antenna mounting hole of the bracket. Remove the nut and star washer from the bulkhead fitting, place it into the bracket mounting hole, and reinstall the washer and nut using a wrench to tighten. The nylon shoulder washer and nylon washer isolate the antenna cable (Figure 4).

Figure 2

Figure 3

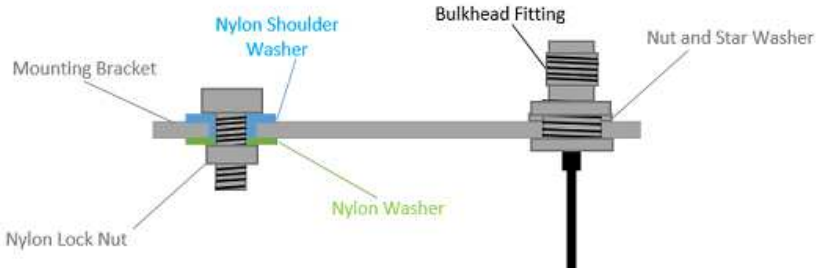

Figure 4

3. Connections

In the cab make the connection of the 90° fitting onto the receiver/display, finger tight is sufficient. A hole slightly larger than 5/16" will allow the 90° antenna connector to pass through. Use the included grommet to provide a clean entry point and also help protect the cable (Figure 5). Install the antenna on the receiver/display and lightly torque it using pliers or channel style pliers to complete the installation (Figure 2 and 3).

Figure 5