

TROUBLESHOOTING NO GPS

Recommend all Dealers have a handheld GPS unit for testing. This can save a lot of time, shipping and general stress. Tech Support should specify that the UCB be thoroughly tested before shipping to a customer or dealer.

| Is dish up?

Dish up can block GPS signals.

| Is GPS (vehicle) outdoors and not inside building?

This has happened; Even being next to a building that might block a clear view of the sky.

| Heavy Rain or snow on Mount?

| Do other sensors work?

If no sensors are working then we are looking at a CAN bus issue to the UCB or a bad UCB.

| Is this a Trimble or Furuno GPS?

In Telnet session you can type sensors and this will show the PCB Board Version

- **Version 1** is original UCB with older Trimble Acutis 6 GPS. This was a pretty stable GPS module but the battery may have died over time and GPS may take 5 minutes or more to acquire.
- **Version 2 through 4** is the newer Trimble GPS module. It has known issues with how the Antenna cable is placed. This cable must be wrapped as per White Paper instructions ([wp_gpsucuresolution.pdf](#)). It also has a battery and can be dead. If Battery is dead the GPS will take over 5 minutes to acquire.
- **Version 5 through 7** is the Furuno GH80 GPS module. This is a pretty stable GPS and usually take 45 to 180 seconds to acquire.

| Check for Cable wrap or bad battery.

| Other Noise source?

We have had certain types of vehicles that have other electronics i.e. generators, inverters, Cell Phone, HAM or CB antennas that will flood the GPS antenna with noise preventing the GPS from receiving Satellite Signals. Location?

| Another rare condition is Antenna noise caused by local TV or FM radio stations.

Example. Albuquerque NM FMCA show we found an area near the Ballon Fest Park that had spots that would not work GPS. We could drive 100 yards several directions from this spot and GPS would work.

Please call MotoSAT for information on this or any other technical subject
contact MotoSAT at:
1-800-247-7486

