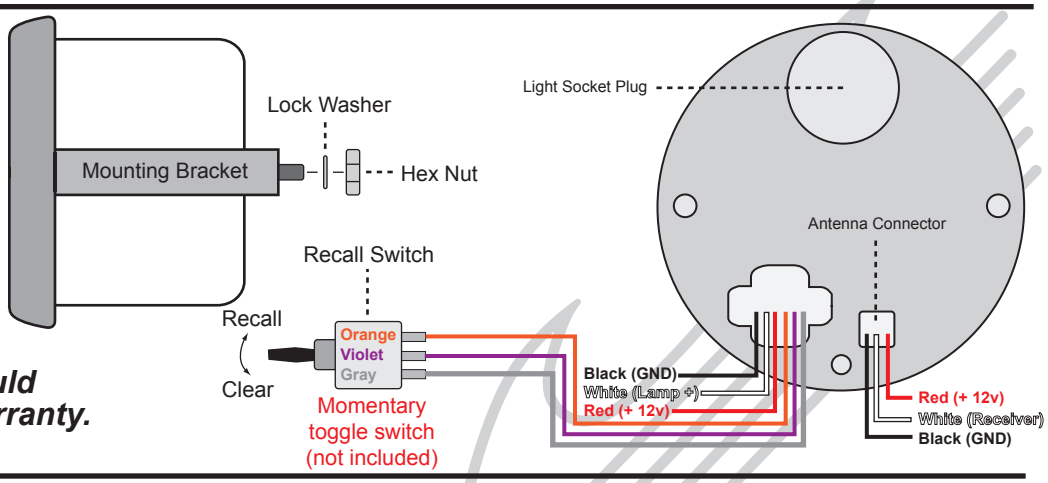
Installation Instructions 3 3/8” & 5” GPS Speedometers

- Install GPS speedo as shown in the diagram. Take extra care to ensure that all wire connections are shielded from water spray, and are connected correctly.
- The GPS antenna must be mounted in clear view of satellites. Mount the antenna using silicone adhesive or double sided tape.



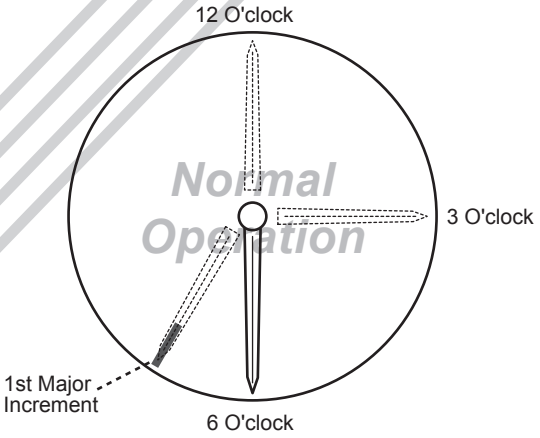
***WARNING:** Improper installation could damage the product and void all warranty.*

Operation and Troubleshooting

This product has been designed with a software program that lets the owner determine the difference between normal operation and troubleshooting mode.

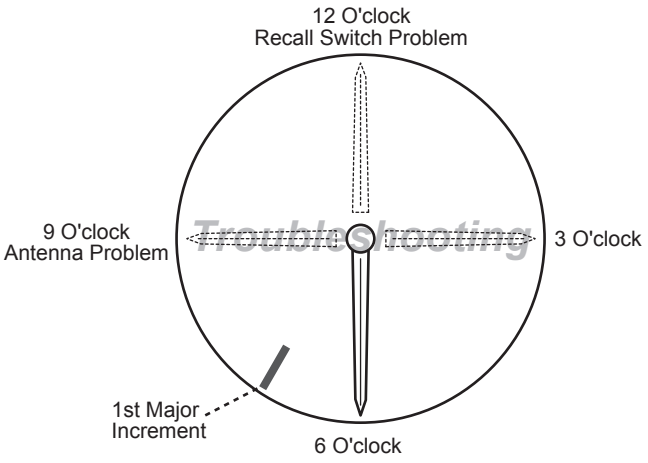
Normal Operation:

When initially powered up, the needle will move to the 6 o’clock position and then immediately sweep to 3 o’clock for approximately 3 seconds. It will then sweep to the 12 o’clock position for another 3 seconds, and then return to the 6 o’clock position. These initial movements indicate that the gauge and the receiver are working properly, and will now start seeking satellites. The needle will move to the first major increment on the gauge and will stay in this position until a satellite is found. Normally this takes 30 seconds or so depending on your surroundings, or how far the boat has been trailered. This operation could take up to 2 minutes. If the needle returns to zero within the 2 minutes, this means a satellite was found, and that the gauge is ready for operation.



Troubleshooting:

If a satellite was not found, the needle will move to the 9 o’clock position and remain there until the problem is resolved. This could mean a poor connection between the gauge and the antenna, or that something is blocking the signal. When the gauge starts to receive a signal from the antenna the needle should move to indicate the speed. If the needle moves to the 12 o’clock position and remains there, this indicates that the recall/clear switch is stuck in the “RECALL” position, or there is a poor connection. If the needle moves to the 3 o’clock position and remains there, this indicates that the switch is stuck in the “CLEAR” position, or there is a poor connection.



Recall / Clear Operation:

WARNING: INCORRECT CONNECTION OF THE ORANGE, VIOLET, AND GRAY WIRES TO THE RECALL SWITCH CAN RESULT IN DAMAGE TO THE ELECTRONICS OF THE GPS SPEEDOMETER. FOLLOW THE WIRING INSTRUCTIONS CAREFULLY AS OUTLINED IN THIS SECTION.

This system can be used to recall the boat’s top speed. Connect the wires for the RECALL/CLEAR switch as follows: VIOLET to the center post, ORANGE to the post on one side of the switch, and GRAY to the post on the other side of the switch. After running the boat for any length of time, the operator can recall the top speed by engaging the “RECALL” switch. This speed will stay in the memory until it is cleared. Clearing the top speed is done by engaging the “CLEAR” switch for a minimum of 1/2 a second. It is essential that the switch be returned to the neutral position before resuming operation. It is strongly recommended that you label the switch to indicate “RECALL” and “CLEAR”.

Average Speed Algorithm:

The average speed algorithm can be used anytime after the system has powered up and run through it’s power up diagnostics.

1) After the system has powered up and run it’s self-diagnostics, select the “CLEAR” position for approximately 3 seconds then return it to neutral. The average speed algorithm has now started.

2) Select the average speed by selecting the “RECALL” position then return the switch to neutral. The speed will be displayed for approximately 2 seconds.

3)The average speed is not stored in the memory and will need to be done before the system is powered down.

4)This sequence will need to be repeated each time the speedometer is powered up or if the speedometer is in use and you want to reset the average speed. Selecting the “CLEAR” position will clear the average speed and reset the algorithm.