



GPS SPEEDOMETER W/ BUILT IN ODOMETER

Standard size- 3 3/8" cutout (GPSSO120K + color or GPSSO160K + color)
Over size- 4 5/8" cutout (GPSLO120K + color or GPSLO160K + color)

Thank you for purchasing one of the finest, most advanced electronic speed monitoring devices available! This kit features a state-of-the-art GPS speedometer, paired with a GPS antenna/ receiver capable of sampling up to 10 times per second. Simply put, this setup will deliver nearly OEM style smooth operation WITHOUT using any land based speed sensing equipment. This speedometer also features a toggle switch to view user-resettable trip and mileage odometers as well.

Mounting:

1. Drill the appropriate cutout for the speedometer. Use the supplied "J" brackets and keps nuts to install into the dash. Tighten nuts ONLY to 6 in. lbs (0.68 N-m). Over tightening WILL VOID WARRANTY, and may crack the case and cause damage to the instrument.
2. Locate an appropriate position for the switch to be mounted, and drill a 1/2" hole to install.

Wiring:

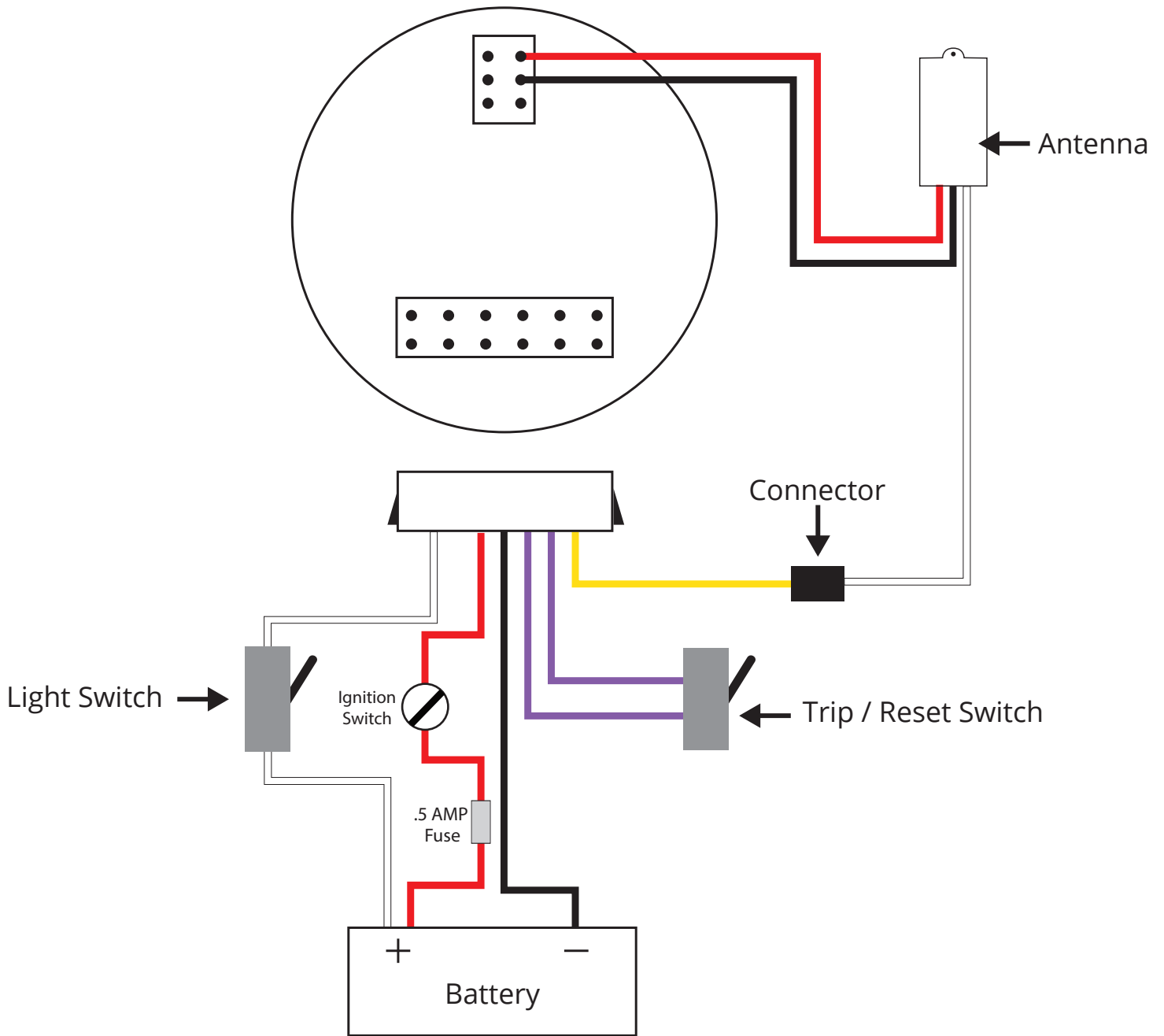
1. From the 12-pin master harness, there are two violet wires labeled SWITCH that will need to be installed to the terminals on the switch. It does not matter which goes where. This switch allows the user to toggle between total vehicle mileage and the 3 trip logs (resettable mileage).
2. See the diagram on the next page (page 2) for the wiring termination points for the gauge to function properly.

Operation of Gauge:

1. To toggle between total mileage and the 3 trip logs, simply press and release the switch. If you press and hold the switch, you will enter the main menu for the gauge. There is nothing user defined within that menu, so to exit, press and release the switch or wait 10 seconds and the display will return to total mileage.
2. To reset one of the 3 trip logs to zero: Use the switch to toggle and select the log that is to be reset, press and hold the switch until it is reset to zero. Toggle the switch to exit this screen and return to the total mileage screen.

If at any point there is a problem with navigating the menu, allow 10 seconds and the display will revert back to the total mileage screen.

Wiring Diagram



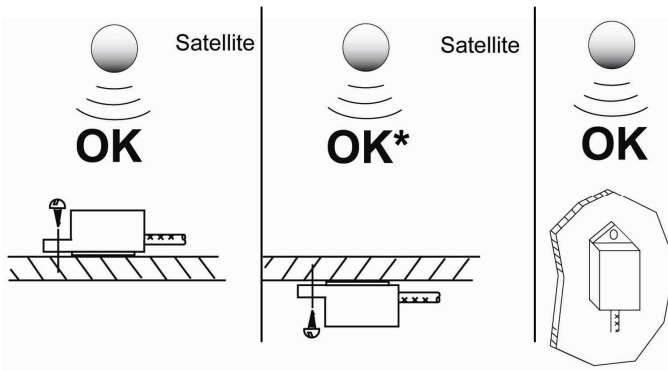
GPS ANTENNA INSTALLATION

for GPS Speedometer/Odometer

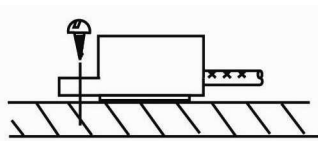
Model Number: GPSSQ310x

NOTE: These antennas have a 10x update rate and will only work on our GPS Speedometer/Odometer.

Compliant with GPS Speedometer/Odometer model #'s: GPSSO120K, GPSLO120K, GPSSO160K, GPSLO160K



Mount with a 1/4 screw



Unit can be mounted under the dash or other hidden areas as long as you verify the speedometer is working properly before permanently mounting the receiver.

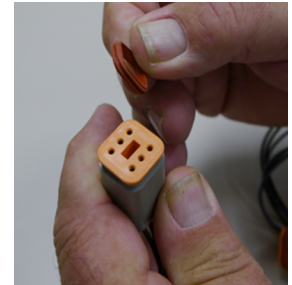
Wire Connection

White	Signal (NMEA 0183 output)
Red	Switched 12V power
Black	Good engine ground



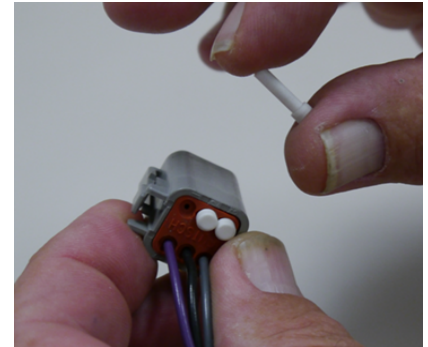
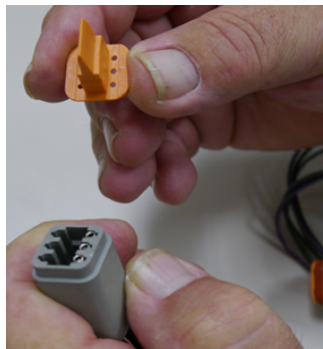
SPEEDOMETER / ODOMETER GPS ANTENNA

Install power and ground wires as follows:



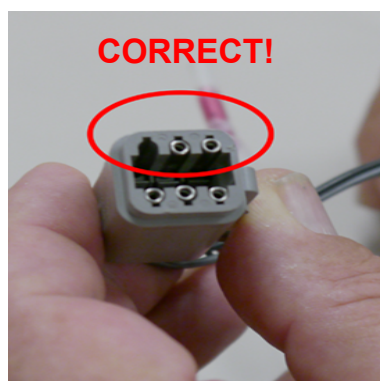
1. Remove 6 pin Deutsch by depressing release tab and pulling outward.

2. Remove weather gasket.

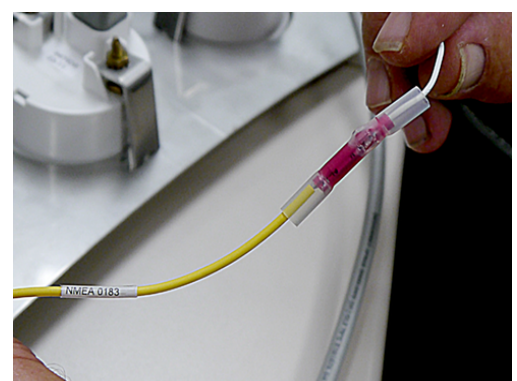


3. Using small screw driver remove wedge lock from connector.

4. Remove seal pin



5. Install red power wire in pin location 1 or 6. Install black ground wire in pin location 2 or 5. Visually inspect wire for proper installation. Reinstall wedge lock and weather gasket. Reinstall connector to gauge.



6. Connect white wire (NEMA 0183 Output) pre-terminated with butt connector to yellow wire (NEMA 0183 Input).