

Caution

Disconnect the battery during installation.

Tighten nuts on the back clamp only slightly more than you can tighten with your fingers. **Six inch-pounds of torque is sufficient.** Over tightening could result in damage to the instrument and may void your warranty.

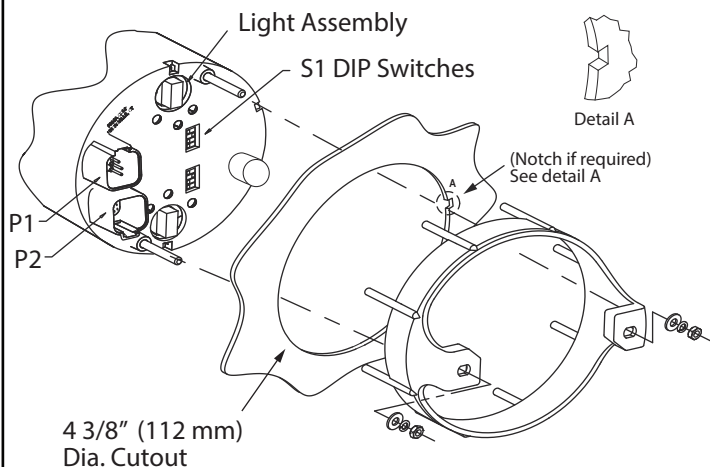
Ensure wire insulation is not in danger of melting from engine exhaust heat or interfering with moving mechanical parts when connecting sensors.

Note

To change the instrument lamp, twist out socket assembly one-eighth turn counterclockwise until it pops out. Replace with a KTF053 bulb kit (LM0067) or GE No. 194R (Red) instrument lamp.

Installation

- Be certain to use stranded, insulated wire not lighter than 18AWG.
- Cut a 4-3/8" (112 mm) diameter hole in the dash allowing a clearance of 3" (80 mm) for wires. Mount the GPS Speedometer with the backclamp supplied. Use the supplied washers and nuts and tighten
If required cut a .175" wide by .115" deep notch to accept the key on the case.



GPS Operation

- After turning on the power, the speedometer and trim indicators will perform a full scale sweep. When complete the Trim indicator will indicate the trim position and the speedometer will indicate 5 MPH. At this time the GPS is looking for satellites to communicate with.
- Once the Speedometer has a GPS Lock on a satellite the Indicator will read current speed.

Wire Connection

WIRING

- 1 - B+ (SWITCHED)
- 2 - B+ (CONSTANT)
- 3 - FUEL
- 4 - TRIM
- 5 - GROUND
- 6 - LIGHTS

LB0890

- Connect a wire from pin 1 to the '+' (positive) 12 vDC circuit that is activated by the ignition switch.
- Connect a wire from pin 2 to an always on 12 vDC source like the '+' (positive) side of the battery.
- Connect a wire from pin 4 (TRIM) to the Trim sender.
- Connect a wire from pin 5 to the vessel's electrical ground, generally available in several locations at or near the instrument panel.
- Connect a wire from pin 6 to the lighting system or to the 12 vDC side of the ignition.
- Reconnect the battery.

Configuration

SWITCH SETTING

Engine Type	1	2	3	4
MerCruiser 4.5L, 6.2L, Volvo I/O or Mercury or Yamaha Outboard with Analog Trim Sensor	Off	Off	Off	Off
Mercury 150 HP 4 Stroke Outboard	Off	Off	Off	ON
MerCruiser 8.2L or Mercury Verado Outboard	Off	Off	ON	Off
Mercury 75-115 HP 4 Stroke Outboard	Off	Off	ON	ON
Evinrude/BRP, or Suzuki Outboard with Analog Trim Sensor	Off	ON	Off	Off
Suzuki Outboard with Digital Trim Sensor	ON	Off	Off	Off

Using the DIP switches on the back of the speedometer, configure the Trim meter to the correct sender settings.



1 2 3 4 Off