



# 5" GPS Speedometer with Studded Connectors

# ISO411

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## Installation Manual

The GPS Speedometer is a drop in replacement for your current speedometer and can be made to match your existing instrument dash.

GPS information is gathered from an internal GPS antenna. No external antenna required. The Faria GPS Speedometer uses a highly accurate 48 channel GPS receiver. You can be sure that the Faria GPS Speedometer is giving you the most accurate GPS information available on the market today.

Speed data is shown by an analog pointer. This pointer is driven by a digital stepper motor for increased accuracy and minimized pointer bounce during vessel operation.



Scale may vary depending on model.

### 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 are sufficient. Over tightening may result in damage to the instrument and void your warranty.

Use stranded, insulated wire not lighter than 18 AWG. Be certain wire insulation is not in danger of melting from engine or exhaust heat or interfering with moving mechanical parts.

### Parts

QTY	Description
1	GPS Speedometer
1	Mounting Bracket (BC0089)
7	#8 Brass Nut (5/16")
2	#8 Brass Flat Washer
4	#8 Split Washer

### Installation

1. Disconnect the battery.
2. 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 back clamp supplied. Use the supplied washers and nuts and tighten.
3. Connect a wire to the Pin 6 post on the speedometer to the 12 vDC side of the ignition.
4. Connect a wire to the Pin 4 post on the speedometer to the 12 vDC. It is recommend to connect this to an always on 12 vDC source.
5. Connect a wire to the Pin 3 on the lighting assembly on the speedometer to the 12 vDC side of the navigation lighting circuit or instrument dimmer switch.
6. Connect a wire to the Pin 5 post on the speedometer to the electrical ground, generally available in several locations at or near the instrument panel.
7. Reconnect the battery.

### Operation

1. After turning on the power the speedometer will perform a full scale sweep and go to 5 MPH.
2. Once the Speedometer has a GPS Lock on the satellite the Pointer will read current speed.

### Trouble Shooting

1. Verify the unit is receiving both supply (Pin 6 - Ignition) and constant power (Pin 4 - Battery).

### Wiring Diagram

