Classic Instruments

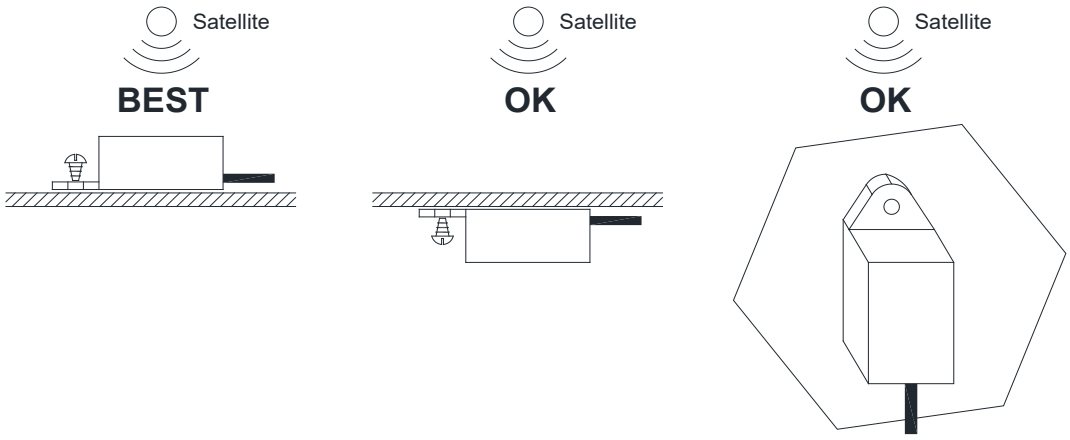
Low Speed Speedometer

Installation Manual

GPS Speed Sensor Mounting

- The optimum mounting location for the GPS sender is any location <u>inside the car</u> where it will have a clear view of the sky. This will guarantee a good satellite signal and trouble-free speedometer operation.
- In some cases, the GPS sender will still get adequate satellite reception even without a clear view of the Sky. If you are planning on "hiding" the sender somewhere where it doesn't have a clear view of the sky, we recommend that you thoroughly test it in that location before permanently fixing it in place. Leave the wiring harness long to allow for repositioning in case the GPS sender does not perform well enough and needs to be moved. Once a good location is established, you can then permanently mount the sender.
- The best way to determine if a mounting location is adequate for the GPS sender is to test it for a day. Make sure the speedometer operation is smooth, accurate and uninterrupted.
- Once a suitable mounting location is determined, securely mount the GPS sender using Velcro, double-sided tape or a screw utilizing the mounting tab of the sender. This will help prevent damage to the sender caused by excessive jarring or vibration.

<u>Mounting Examples</u>



Speedometer Installation

1) Make sure you have sufficient clearance (3 ½") behind the panel where you intend to mount the speedometer.
2) If necessary, cut a 3.375" hole or 4.625" hole (depending on which size speedometer you have) in the dash panel at the desired location.
3) Fit the mounting bracket over the mounting studs of the speedometer. The legs of the bracket may be shortened if required.

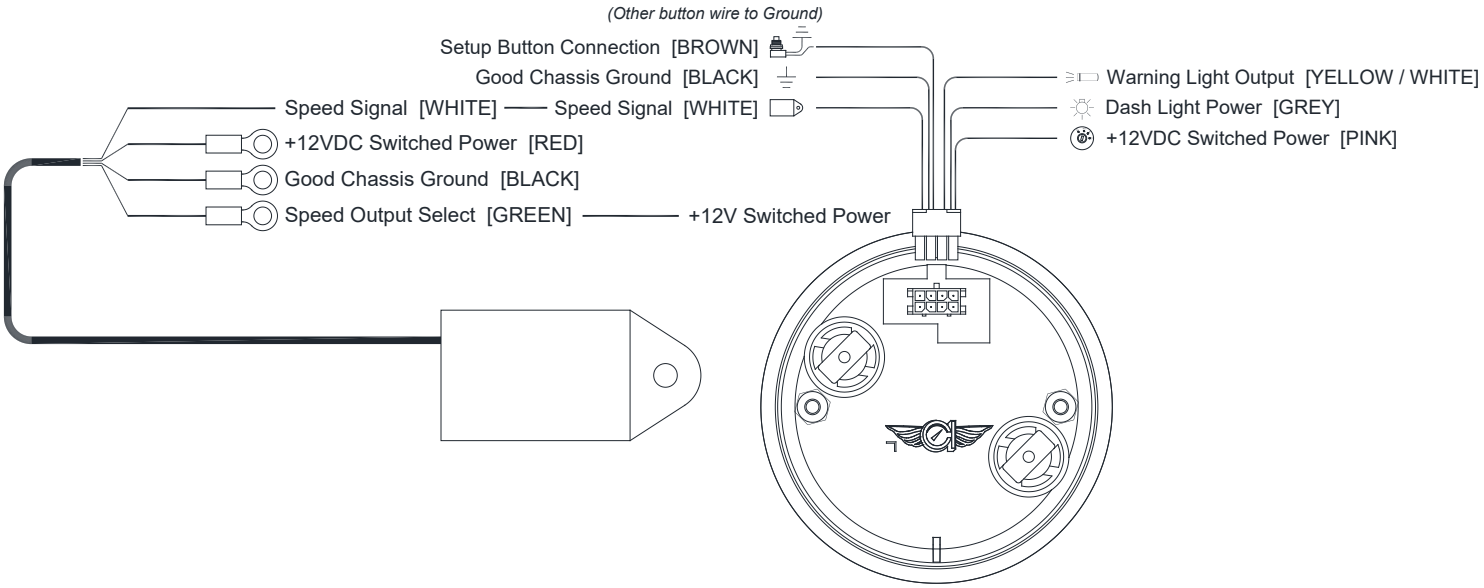
Speedometer Wiring

1) Always disconnect the ground lead from the vehicle battery before wiring any gauge.
2) Connect a switched +12VDC power source to the **Pink** wire of the gauge harness.
3) Connect a good chassis ground to the **Black** wire of the gauge harness.
4) Connect dash light power to the **Grey** wire of the gauge harness.
5) Connect one wire of the speedometer calibration button to the **Brown** wire of the gauge harness.
   a. Connect the other wire of the calibration button to a good chassis ground.
6) *Optional:* Connect a remote warning light indicator's ground to the **Yellow / White** wire of the gauge harness.
7) Connect the White speed signal wire from the GPS speed sensor to the **White** wire of the gauge harness.

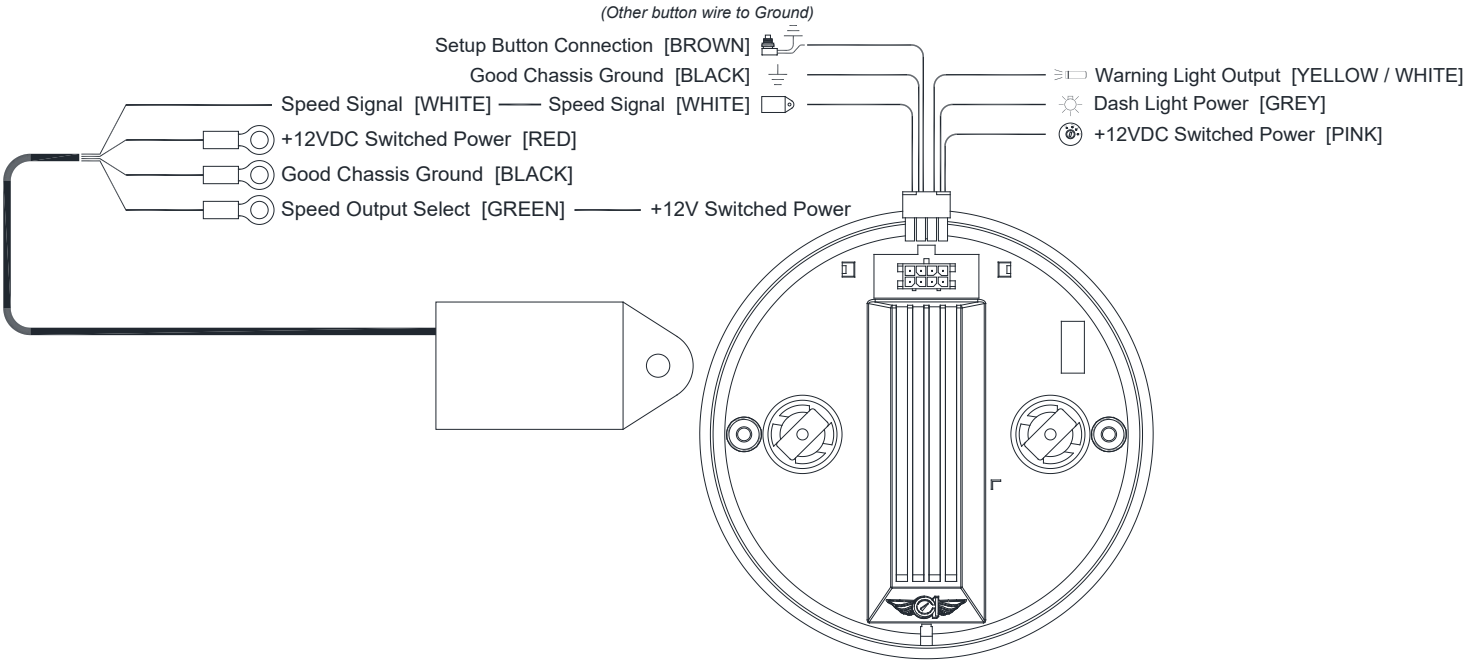
Setting Warning Light Trigger Point

1. Start with power off.
2. Press and hold pushbutton.
3. While pressing pushbutton, apply power to the gauge (starting vehicle not necessary).
4. Release pushbutton once power is applied.
5. The Speedometer pointer will indicate 15 MPH.
6. Tap the pushbutton to move the pointer to 23 MPH.
7. Press and hold the pushbutton (with speedometer reading 23 MPH) until the pointer moves to indicate the warning light trigger point.
8. Press and hold the pushbutton to change the speed shown. The first time the pushbutton is pressed and held, the speed shown will increase. The second time the pushbutton is pressed and held, the speed shown will decrease. The speed shown will alternate between increasing and decreasing each time the pushbutton is pressed.
9. Once the correct speed warning light trigger point is shown, wait 8 seconds without pushing the pushbutton to save the setting. The pointer will return to 0 MPH.

Speedometer Wiring Diagrams



3-3/8” Speedometer



4-5/8” Speedometer