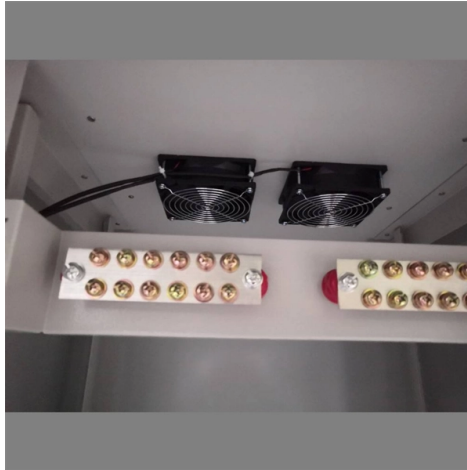


Internal Wiring of the Speedometer Frame



Article Overview

The internal wiring of a speedometer frame involves dedicated connections for power, ground, signal input, and indicator lights, all mapped according to the specific gauge and vehicle type.

Core Wiring Components

- Power Supply
 - Switched Positive (Ignition): Typically a black wire, this powers the speedometer only when the ignition is on, preventing battery drain when the vehicle is off .
 - Permanent Positive: Often a red wire, connected directly to the battery through a fuse to maintain memory functions like trip meters or clock settings .
- Ground
 - Usually a green or brown wire, the ground ensures proper circuit completion. A secure chassis connection is critical to avoid erratic readings .
- Signal Input
 - The speedometer receives pulses from either a magnetic pickup sensor or a Hall effect sender. The signal wire (often labeled SIG) transmits the number of pulses per mile to the gauge, which calculates vehicle speed .
 - Calibration may be required to match tire size and differential gear ratios, ensuring accurate speed readings .
- Indicator and Auxiliary Wires...

Article Content

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below) to the connector on the side of the module. The GPS antenna can be placed inside or outside of th vehicle as long as it has a

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HELP?: Installation Instructions GENERAL APPLICATION:

Calibrate the speedometer. Refer to the calibration set-up section. Test instrument to ensure that it is working properly.

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Referring to the simple speedometer circuit diagram below, we can see the IC LM2907 occupying the center stage in

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Testing Speedometer Signals

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Calibration/Trip Button Installation The speedometer includes a remote mount calibration/trip reset button. Connect the BLACK wire

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SIP Art. No. 50002600, 50002700 and similar types

Unmount original speedometer, pull the speedo cable and hose out of the steering column. Check your speedometer holder (e.g. SIP

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Remember the accuracy of your 2 mile distance will directly affect the accuracy of your speedometer. The following list contains

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INSTALLATION GUIDE ELECTRIC SPEEDOMETER General

General Information This electric speedometer utilizes an LCD to display odometer and trip odometer mileage. Momentarily pressing

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One IC and a few external passive components are all that are needed to build a

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ELECTRIC SpEEdOMETER

2. Cut a 3/8" dia. hole in the firewall for the speedometer wires. Place a rubber grommet in the hole and route the wires through the

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Installation Manual

Connect one wire of the speedometer calibration button to the Brown wire of the gauge harness. Connect the other

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ELECTRIC SPEEDOMETER

Connect the speedometer wires as shown in the wiring sections. Secure the speedometer to the dashboard using the

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How to Properly Install And Use the Speedometer Cable

Learn how to correctly install and use the speedometer cable in your vehicle with this

Contact Us

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