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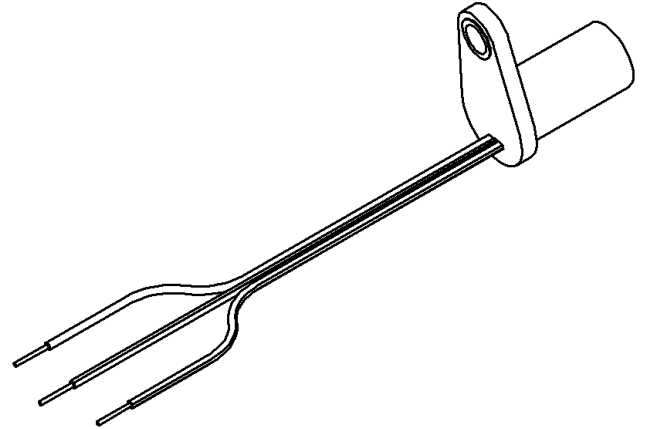
SCT-SPD Speed Sensor

Setup Guide

Service and Warranty

If your product is to be returned to Seon Design for service, please call toll free 877-630-7366, or 604-524-6437 and ask for a Return Authorization (RA) number. An RA number allows the Service Technicians to better track your product when it comes in for service. Please show the RA number on the outside of the package. ANY PRODUCT SENT TO SEON DESIGN WITHOUT AN RA NUMBER MAY BE REFUSED.

Please refer to the Warranty form provided with your product to review the terms of warranty service, contact and shipping information, as well as other important issues regarding the service and operation of your product.



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1 Features

The **SCT-SPD Speed Sensor** uses a magnetic Hall effect sensor to detect the revolution of the vehicle drive shaft. Several key features include:

- Operations over a wide voltage range: 4.5 VDC to 24 VDC
- Built-in transient and reverse polarity protection
- Wide operating temperature range: -40 °F to +300 °F (-40C to +150C)
- Fast output signal and direct digital interface to **The Scout System**

2 Installation

- 1 The sensor mounts on a beam or brace close to the vehicle drive shaft. The sensor will detect the rotation of a bolt head or gear attached to the drive shaft. Alternatively, for a wider operating distance, a small magnet can be attached to the drive shaft. The distance the sensor can be placed from the drive shaft will depend on the type of magnet used.
- 2 The connections to **The Scout System** are made with the three-conductor cable supplied as part of the harness from the full-featured VCR. The cable consists of a red wire, a black wire, and either a green or white wire. These wires attach to the speed sensor directly, with the red wire attaching to the red-striped wire from the sensor, the white, or green wire attaching to the white striped wire, and the black wire attaching to the plain black wire from the sensor.
- 3 Ensure that the connections to the sensor are protected from the elements. For the best connection, solder the wires from the VCR harness to the sensor. Alternatively, use crimp connectors and wrap the connections securely with electrical tape.

3 Calibration

- 1 For detailed calibration information, refer to **The Scout Full Featured System User Manual**. The manual details how to set the VCR to calibration mode. The vehicle must be driven exactly one mile to set the calibration. It is best to use known road markers to set the distance instead of using the vehicle odometer.