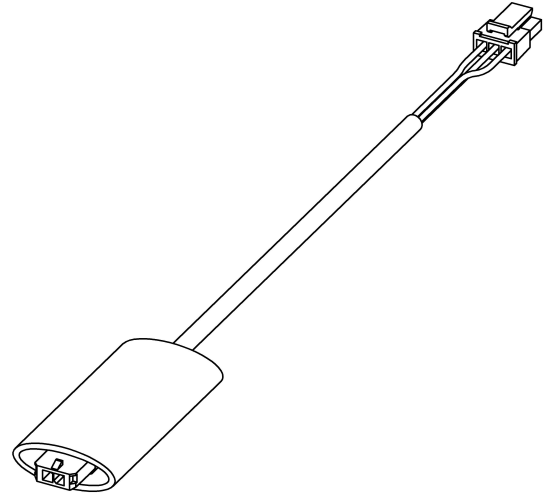


# Installation Guide

## 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

On some bus models without Transmission Control Modules (TCM's), the signal from the built-in electronic speed sensor is a 'differential signal'. For these signals, 'Speed +' and 'Speed -' are not referenced directly to the vehicle chassis ground. A problem may occur when interfacing to **The Scout VCR** or **The Trooper DVR** whereby the speed signal may not be read correctly by the built-in speed signal conditioner. **The Differential Speed Module** from Seon will interface to these signals and provide a proper input to the VCR or DVR.

## 2 Installation

- 1 Plug the 3-pin connector on the module harness into the Speed Input connector on the back of the VCR or DVR.
- 2 The 2-pin extension harness supplied with **The Differential Speed Module** is plugged into the mating connector on the module.
- 3 The red and black flying leads on the opposite end of the extension harness are connected to the 'Signal +' and 'Signal -' wires from the built-in speed sensor. Ensure the connections are protected by covering them with heat-shrink or electrical tape.
- 4 Put the VCR or DVR into Speed Calibration mode and begin to drive the vehicle. The Speed Count should now increment. If the Speed Count does not change, then ensure that the 'Signal +' and 'Signal -' wires are connected correctly to the module's extension harness. Note that the sensor will not be damaged if the wires are connected backwards.

Connect Red Wire To Speed Signal +  
Connect Black Wire to Speed Signal -

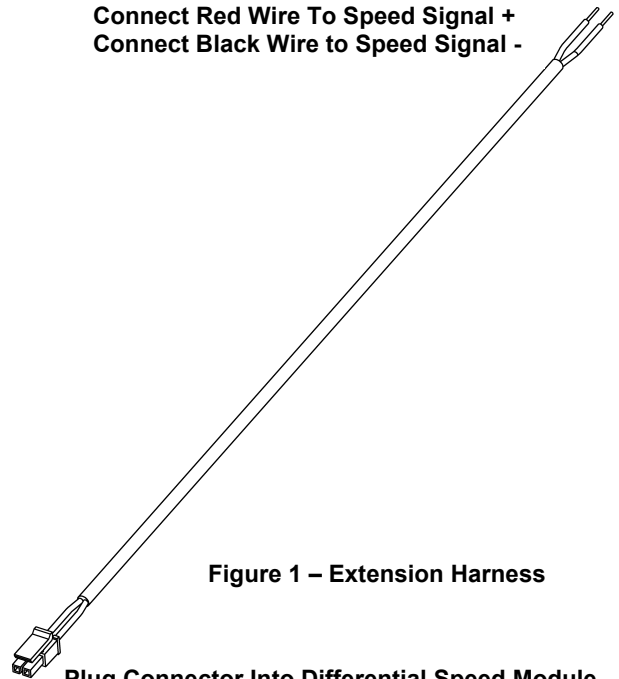


Figure 1 – Extension Harness

Plug Connector Into Differential Speed Module