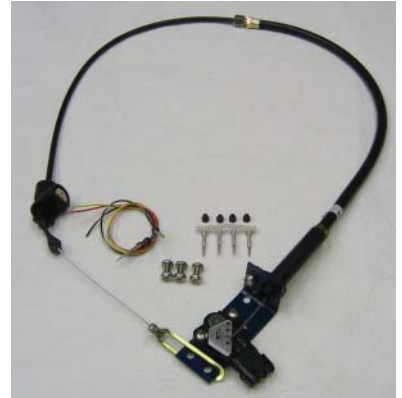


## PCS Remote Mount TPS Adapter Kit User Guide

### Included Components

- 1 - Throttle Position Sensor mounted on Bracket
- 1 - Connector
- 3 - 3' terminated wires
- 4 - Extra terminals and seals
- 1 - Cable with associated hardware



To adjust the length of the cable for your installation, loosen the brass adjustment screw as show below. Once the brass adjustment screw is loose, you can freely adjust the length of your cable.



Wiring instructions are on the reverse side of this sheet. Pin locations are shown on the connector (not the sensor) as shown below.



**IMPORTANT NOTE:** PCS changed throttle position sensors as of January 1, 2008. The new sensor's resistance is opposite the old sensor. This data sheet provides the specification for both sensors. If this is a new installation, use wiring Option A, and calibrate the throttle as normal in software. If you are replacing a sensor that was purchased from PCS prior to the change date, it is likely that the new sensor will output voltage range that is reversed from the old sensor. Once installed, the software must be used to re-calibrate the new sensor.

**Electrical Properties and Connection**

There are two options when wiring the throttle position sensor. Option A is the default wiring. With the new sensor, this will produce an output voltage signal that decreases with throttle. Option B can be used for unique applications that require the output signal to increase with throttle. The measured resistances and voltages may vary slightly due to manufacturing tolerances.

**Sensor Resistance Measured Between Pin A and B**

Position	Ohms (Before Jan 1, 2008)	Ohms (After Jan 1, 2008)
Rest	7270	960
Full Deflection	1070	7180

**Sensor Voltage**

Sensor	Wire Option	Volts at Rest	Volts at Full Deflection
Old (Before Jan 1, 2008)	A	0V	4.88V
Old (Before Jan 1, 2008)	B	4.88V	0V
New (After Jan 1, 2008)	A	4.88V	0V
New (After Jan 1, 2008)	B	0V	4.88V

The pinout of the throttle position sensor is shown below for the two wiring options.

**Wiring Option A, Standard Configuration**

Pin	Function	Wire Color
A	+5 VDC	Red/White
B	Sensor Output	Yellow/Black
C	Signal Ground	Black/White

**Wiring Option B, Alternate Configuration**

Pin	Function	Wire Color
A	Signal Ground	Black/White
B	Sensor Output	Yellow/Black
C	+5 VDC	Red/White

**LIMITED WARRANTY STATEMENT.** Powertrain Control Solutions, LLC. Warrants all merchandise against defects in factory workmanship and materials for a period of 12 months after purchase. This warranty applies to the first retail purchaser and covers only those products exposed to normal use or service. Provisions of this warranty shall not apply to Powertrain Control Solutions, LLC. Product used for a purpose for which it is not designed, or which has been altered in any way that would be detrimental to the performance or life of the product, or misapplication, misuse, negligence or accident. On any part or product found to be defective after examination by Powertrain Control Solutions, LLC., Powertrain Control Solutions, LLC. will only repair or replace the merchandise through the original selling dealer or on a direct basis. Powertrain Control Solutions, LLC. assumes no responsibility for diagnosis, removal and/or installation labor, loss of vehicle use, loss of time, inconvenience or any other consequential expenses. The warranties herein are in lieu of any other expressed or implied warranties, including any implied warranty of merchantability or fitness, and any other obligation on the part of Powertrain Control Solutions, LLC., or selling dealer.