

## PCS 3-Bar MAP User Guide

### Kit Contents

- 1 - 3-Bar MAP Sensor
- 1 - 3ft subharness with connector

If any of the above items are missing or replacement parts are needed, please contact Powertrain Control Solutions.

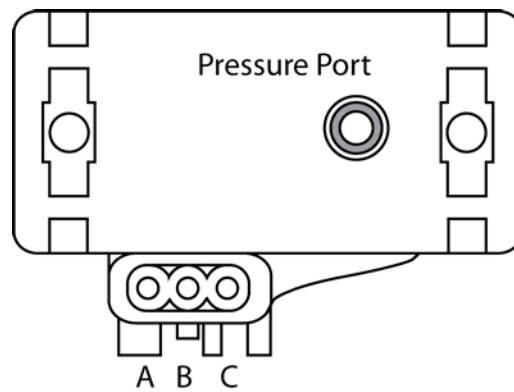
### Description

The 3-Bar Manifold Absolute Pressure (MAP) Sensor is used for measuring manifold vacuum and pressure. It will measure 1-bar of vacuum and 2-bar of pressure (approximately 30 PSI of boost).

### Electrical Connection

The mate to the MAP sensor is a 2-way connector. The pinout of the MAP sensor is shown below.

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



\*Pin markings on back of sensor

### Sensor Output

The MAP sensor outputs a voltage relative to the measured pressure. The pressure shown in the table is in/Hg when shown negative (vacuum) and PSI when positive. To verify the sensor is a 3-bar sensor, apply +5V and ground to the sensor and measure the output. The sensor should output approximately 1.58 volts at atmosphere.

Pressure	-28.3	-22.4	-15.9	-9.4	-3.5	1.2	4.1	7.0	10.2	13.3	16.2	19.1	22.0	24.9	28.1	31.3
Volt	0.0	0.33	0.67	1.0	1.33	1.67	2.0	2.33	2.67	3.0	3.33	3.67	4.0	4.33	4.67	5.0

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