

MAP Sensor Diagnosis

Meets NATEF Task: (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-2)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2
1. Check service info	rmation for the specified MAP	sensor diagnosis procedure.
2. Perform a thorough	n visual inspection including:	
b. Check that	condition of vacuum hose (if earthe vacuum hose routing does see between the sensor and the	not have any dips or sags in the
	umes) or water (condensed stea	n create a trap where liquid fuel am) can accumulate and block the
such as a li	` 111 /) from the MAP sensor. If anything out of the sensor or the hose, replace hose to the MAP.
frequency) =	• •	cord the MAP sensor voltage (or cool or digital meter connected to the or 156-159 Hz.)
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record the MAP set be between 0.9 and	nsor voltage (or Hz) at idle spe	g temperature is achieved. Read and sed =volts (Hz). (Should engine varies between 17 and 21
5. Using a GMM or D (draw the pattern d		om the MAP sensor and compare it
6. Based on these test	s, what is the necessary action	?