

MAP Sensor Diagnosis

Meets NATEF Task: (A8-B-5) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2
1. Check service	e information for the specified MAP s	ensor diagnosis procedure.
2. Perform a tho	prough visual inspection including:	
b. Chec	k the condition of vacuum hose (if equ k that the vacuum hose routing does n um hose between the sensor and the in	not have any dips or sags in the
(condensed gaso	or low portion in the vacuum hose can bline fumes) or water (condensed steam to the MAP sensor.	
such	onnect the vacuum hose (if equipped) as a liquid or other substance comes of MAP sensor. Reconnect the vacuum hose	out of the sensor or the hose, replace
frequency) =	tion key on (engine off), read and reco volts (Hz) (use either a scan too (Should be about 4.60 to 4.80 volts or	ol or digital meter connected to the
OK	NOT OK	
record the M. be between 0	AP sensor voltage (or Hz) at idle speed 9 and 1.6 volts (102-109 Hz) if the end) OK NOT OK	$d = \underline{\hspace{1cm}}$ volts (Hz). (Should
	M or DSO, graph the output signal from tern displayed).	m the MAP sensor and compare it
6. Based on the	se tests, what is the necessary action?	