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

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
<b>1.</b> Check service information for the specified MAP sensor diagnosis procedure.		
<b>2.</b> Perform a thorough vis	ual inspection including:	
b. Check that the	lition of vacuum hose (if eq vacuum hose routing does etween the sensor and the i	not have any dips or sags in the
	s) or water (condensed stear	n create a trap where liquid fuel m) can accumulate and block the
such as a liquid		from the MAP sensor. If anything out of the sensor or the hose, replace nose to the MAP.
frequency) = vol	· · ·	ord the MAP sensor voltage (or ool or digital meter connected to the or 156-159 Hz.)
OK NOT	OK	
record the MAP sensor	voltage (or Hz) at idle spee	g temperature is achieved. Read and ed =volts (Hz). (Should engine varies between 17 and 21
5. Using a GMM or DSO, (draw the pattern displa		om the MAP sensor and compare it
<b>6.</b> Based on these tests, w	hat is the necessary action?	·