

MAP Sensor Output Chart

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
Most vehicle MAP sensors use a 5 the vacuum inside the intake mani		eturn and a ground connection. As nsor voltage changes.
`	olute manifold pressure) = solute manifold pressure) =	•
1. Connect a T-pin to the s	signal wire connector at th	e MAP sensor.
2. Connect the red lead of the black meter lead to		read DC volts to the T-pin. Connect
	hose from the MAP senso hand-operated vacuum pur	or (or remove the sensor from the mp to the sensor.
	n that represents the MAP m is applied to the sensor.	sensor voltage when 5, 10, 15, 20, 25
5. Connect the dots. The	results should be a straight	line.
OK NOT	OK	
0 5 10	15 20 VACUUM APPLII	
6. Based on the results of	this test, what is the necess	sary action?