

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-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
Most vehicle MAP sensors use a the vacuum inside the intake ma		eturn and a ground connection. As nsor voltage changes.
`	osolute manifold pressure) = bsolute manifold pressure) =	
1. Connect a T-pin to the	e signal wire connector at the	e MAP sensor.
	of a digital voltmeter set to roo a good chassis ground.	read DC volts to the T-pin. Connect
	m hose from the MAP senso a hand-operated vacuum pur	or (or remove the sensor from the mp to the sensor.
	ph that represents the MAP sum is applied to the sensor.	sensor voltage when 5, 10, 15, 20, 25
5. Connect the dots. The	e results should be a straight	line.
OK NO	Г ОК	
0 5 1	0 15 20	
	VACUUM APPLIF	ED (m. Hg)
6. Based on the results of	of this test, what is the necess	sary action?