

TP Sensor Voltmeter Test

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
1. Check service informat sensor.	ion for the location, specifica	ations for the throttle position (TP)
2. Carefully backprobe the signal, and signal return	_	nin access to the 5-volt reference,
	ngine off (KOEO), set the dig ck meter lead to a good clear	gital multimeter (DMM) to DC n engine ground.
4. Measure the reference	voltage (should be close to 5	volts) =
5. Measure the sensor sign	nal voltage at idle	
specification =		
6. Measure the TP sensor (should be about 4.5 vo		r.) = volts
7. Measure the voltage (voltage good clean engine ground)		nal return at the TP sensor and a
volts (should	d be less than 0.2 volts)	
8. Based on the test result action?	s, what is the necessary	