TP Sensor Voltmeter Test

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	Time on Task		
Make/Model/Year	VIN	Evaluation:	4 3	2	1
1. Check service inform sensor.	nation for the location, specifica	ations for the throttle	positic	on (T	P)
	e the wires at the connector to gurn (ground) terminal.	ain access to the 5-vo	olt refe	rence	e,
	engine off (KOEO), set the dig plack meter lead to a good clean	•	M) to I	OC	
4. Measure the reference	ce voltage (should be close to 5	volts) =			
5. Measure the sensor s	signal voltage at idle				
specification = _	·				
6. Measure the TP sens (should be about 4.5	or at wide-open throttle (W.O.7 volts).	T.) =		_ vo	lts
7. Measure the voltage good clean engine gr	(voltage drop) between the sign round.	nal return at the TP se	ensor a	nd a	
volts (sho	ould be less than 0.2 volts)				
8. Based on the test res action?	ults, what is the necessary				