

MAF Sensor Scope

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 mass air flow sens the amount (mass) of air flowin	-	ency signal or voltage proportional to
	nation and determine the volt AF sensor) range for the unit	~ · · · · /
2. Set the scope to 2ms.	/div and 200 mV/div.	
3. Locate the MAF sense by carefully back pro		bbe to the signal wire on the sensor
3. Connect the scope pr	obe ground lead to a good no	on-painted engine or body ground.
4. Draw the MAF senso	or signal at idle speed with th	e engine in neutral or park.
5. Place the gear selected MAF sensor signal.	or in drive or reverse (automa	atic transmissions only) and draw the
6. What difference did	you notice?	
7. Based on the test res	ults, what is the necessary ac	tion?