

Lambda Activity

Meets NATEF Task: (A8-B-7) Inspect and test computerized engine control system sensors, PCM/ECM; perform necessary action. (P-2)

Name	Date	Time on Task	
Make/Model/Year	VIN	Evaluation: 4	3 2 1
1. Check service information vehicle being tested.	n for the specified air-fuel ra	atio (lambda) for the spec	eific
2. Connect a scan tool and d	letermine the desired or com	nmanded air-fuel ratio (la	
		Loop Status Desired H02S Bank 1 S H02S Bank 1 Sensor 1 Desired H02S Bank 2 S H02S Bank 2 Sensor 1 H02S Bank 1 Sensor 1 H02S Bank 1 Sensor 1 H02S Bank 2 Sensor 1 H02S Bank 2 Sensor 2 Loop Status Select Itens	0.975 Lambda Sen 0.998 Lambda 1.905 Lambda 1.43 Volts 611 mV
leaner			
4. Determine the air-fuel rat	io for the following lambda	numbers:	
Leaner than 14.7:1 Richer than 14.7:1	- lambda 1.221 X 14.7 = _ - lambda 1.101 X 14.7 = _ - lambda 0.989 X 14.7 = _ - lambda 0.890 X 14.7 =		
5. Based on the test results,	_	the commanded lambda	?