

Scan Tool Diagnosis

Meets NATEF Task: (A8-B-3) Diagnose driveability and emissions problems resulting from malfunctions of interrelated systems; determine necessary action. (P-2)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
		tools - if not available, put N.A.)
2. Engine coolant tempe	erature (ECT): cold	warm
3. Intake air temperature	e (IAT): cold warr	n
4. Upstream O2S1: lov	west voltage observed	highest voltage observed
5. Upstream O2S2: lov	west voltage observed	highest voltage observed
6. Downstream O2S: lov	west voltage observed	highest voltage observed
7. O ₂ cross counts: @ io	dle @ 2,000 RPM	_
8. Injector pulse width:	@ idle (park) @ idle	(drive)
@ 2,000 RPM (p.	ark) @ 3,000 RPM ()	park)
9. Spark advance: @ id	le (park) @ idle (driv	/e)
@ 2,000 RPM (p.	ark) @ 3,000 RPM ()	park)
10. Short term fuel trim (integrator): @ idle (park)	
@ idle (drive)	@ 2,000 RPM (park)	
11. Long term fuel trim (l	block learn): @ idle (park)_	@ idle (drive)
12. P/S switch: OK	_ NOT OK	
13. MAP: @ idle (park)	@ idle (drive)	
14. MAF (grams/sec): @	idle (park) @ idle (d	drive)
@ 2,000 RPM (p.	ark)@ key on (engin	e off)
15. IAC counts: @ idle (park) @ idle (drive)_	
@ A/C on (drive)) @ 2,000 RPM (park	x)
16. Throttle position (TP)	sensor: @ idle @ W	V.O.T. engine off, ignition "on"
17. Battery voltage:		
18 Troubles with the veh	uicle? (if any)	