



Scan Tool Diagnosis

Meets NATEF Task: (A8-B-1) Retrieve and record diagnostic trouble codes, OBD monitor status, and freeze frame data; clear codes when applicable. (P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

(Not all of this data will be available on all vehicles or scan tools - if not available, put NA.)

- _____ 1. DTCs: _____ Pending DTC: _____
- _____ 2. Engine coolant temperature (ECT): cold _____ warm _____
- _____ 3. Intake air temperature (IAT): cold _____ warm _____
- _____ 4. Upstream O2S1: lowest voltage observed _____ highest voltage observed _____
- _____ 5. Upstream O2S2: lowest voltage observed _____ highest voltage observed _____
- _____ 6. Downstream O2S: lowest voltage observed _____ highest voltage observed _____
- _____ 7. O₂ cross counts: @ idle _____ @ 2,000 RPM _____
- _____ 8. Injector pulse width: @ idle (park) _____ @ idle (drive) _____
@ 2,000 RPM (park) _____ @ 3,000 RPM (park) _____
- _____ 9. Spark advance: @ idle (park) _____ @ idle (drive) _____
@ 2,000 RPM (park) _____ @ 3,000 RPM (park) _____
- _____ 10. Short term fuel trim (integrator): @ idle (park) _____
@ idle (drive) _____ @ 2,000 RPM (park) _____
- _____ 11. Long term fuel trim (block learn): @ idle (park) _____ @ idle (drive) _____
- _____ 12. MAP: @ idle (park) _____ @ idle (drive) _____
- _____ 13. MAF (grams/sec): @ idle (park) _____ @ idle (drive) _____
@ 2,000 RPM (park) _____ @ key on (engine off) _____
- _____ 14. IAC counts: @ idle (park) _____ @ idle (drive) _____
@ A/C on (drive) _____ @ 2,000 RPM (park) _____
- _____ 15. Throttle position (TP) sensor: @ idle _____ @ W.O.T. engine off, ignition "on" _____
- _____ 16. Battery voltage: _____
- _____ 17. All monitors run and passed? OK _____ NOT OK _____
- _____ 18. Troubles with the vehicle? (if any) _____