Scan Tool Diagnosis

Meets ASE Task: (A8-B-5) P-1, (A8-D-8) P-1 Retrieve and record diagnostic trouble codes, OBD monitor status, and freeze frame data; clear codes when applicable.

| Name | Date | Time on Task |
|--|----------------------------|------------------------------|
| Make/Model/Year | VIN | Evaluation: 4 3 2 1 |
| (Not all of this data will be avail 1. DTCs: | | |
| 2. Engine coolant temper | rature (ECT): cold war | m |
| 3. Intake air temperature | (IAT): cold warm _ | |
| 4. Upstream O2S1: low | vest voltage observed h | ighest voltage observed |
| 5. Upstream O2S2: low | vest voltage observed h | ighest voltage observed |
| 6. Downstream O2S: low | vest voltage observed h | ighest voltage observed |
| 7. O ₂ cross counts: @ id | le @ 2,000 RPM | |
| 8. Injector pulse width: (a) | idle (park) @ idle (dri | ive) |
| @ 2,000 RPM (pa | ark) @ 3,000 RPM (park | κ) |
| 9. Spark advance: @ idle | e (park) @ idle (drive)_ | |
| @ 2,000 RPM (pa | ark) @ 3,000 RPM (park | x) |
| 10. Short term fuel trim (in | ntegrator): @ idle (park) | |
| @ idle (drive) | @ 2,000 RPM (park) | _ |
| 11. Long term fuel trim (b | lock learn): @ idle (park) | @ idle (drive) |
| 12. MAP: @ idle (park)_ | @ idle (drive) | |
| 13. MAF (grams/sec): @ | idle (park) @ idle (driv | e) |
| @ 2,000 RPM (pa | ark)@ key on (engine of | Ť) |
| 14. IAC counts: @ idle (p | oark) @ 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 p | passed? OK NOT OK | |
| 18. Troubles with the vehi | cle? (if any) | |