Oxygen Sensor Diagnosis

Meets ASE Task: (A8-B-7) P-2 Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action.

| Name | Date | Time on Task |
|-----------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Make/Model/Year | VIN | Evaluation: 4 3 2 1 |
| 1. Connect the scan too | ol to the DLC and start the engin | e. |
| | at a fast idle (2500 RPM) for time for the oxygen sensor to emperature. | day. |
| 3. Observe the oxygen to verify closed loop | sensor activity on the scan tool operation. | |
| 4. Select "snap shot" m | node and hold the engine speed s | steady and start recording. |
| 5. Play back snap shot each frame of the snap | • | nge of oxygen sensor voltage for |
| Between 0 and 300 | mV Between 300 and 600 m | V Between 600 and 1000 mV |
| (record # of times) | (record # of times) | (record # of times) |
| values at both ends (| , , | n should result in most snap shot If most of the readings are in the |
| ОК | NOT OK | |
| 7. Based on the test res | sults, what is the necessary action | n? |