## **MAP Sensor Output Chart**

**Meets NATEF 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              | Evalua                                  | tion: 4     | 3 2 1     |
| Most vehicle MAP sensors the vacuum inside the inta |  |                  | _                                       |             | on. As    |
| •   | low absolute man                         | • ′              |   |             |           |
| 1. Connect a T-pir                                  | n to the signal wire                     | e connector at   | the MAP sensor.                         |             |           |
|   | lead of a digital v<br>lead to a good ch |                  | o read DC volts to the                  | ne T-pin.(  | Connect   |
|   |  |                  | sor (or remove the soump to the sensor. | sensor fron | n the     |
|   | he graph that repr<br>f vacuum is applic |                  | P sensor voltage wh<br>r.               | en 5, 10, 1 | 5, 20, 25 |
| 5. Connect the dot                                  | s. The results sho                       | ould be a straig | ght line.                               |             |           |
| ОК  | NOT OK                                   | _                |   |             |           |
|   |  |                  |   |             |           |
|   |  |                  |   |             | _         |
|   |  |                  |   |             |           |
|   |  |                  |   |             |           |
|   |  |                  |   |             |           |
|   |  |                  |   |             | _         |
| 0 5   | 10<br>VA                                 | 15<br>CUUM APPL  | 20 25<br>JED (in. Hg)                   | 30          |           |
| <b>6.</b> Based on the re-                          |  |                  | · –                                     |             |           |