

# MAF Sensor Waveform Testing

**Meets NATEF Task:** (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

- \_\_\_\_\_ 1. Check service information regarding the location of the MAF sensor used on the vehicle being tested.

Location (describe): \_\_\_\_\_

- \_\_\_\_\_ 2. Check service information for the wire colors used and their purpose.

Wire 1 (color and purpose): \_\_\_\_\_

Wire 2 (color and purpose): \_\_\_\_\_

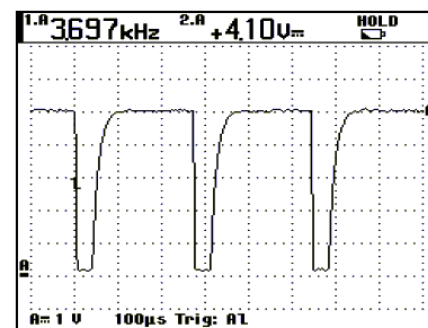
Wire 3 (color and purpose): \_\_\_\_\_

Wire 4 (color and purpose) (if equipped): \_\_\_\_\_

Wire 5 (color and purpose) (if equipped): \_\_\_\_\_

- \_\_\_\_\_ 3. Check service information for the specified voltage output and/or waveform for the MAF sensor.

Check which:  digital  
 analog



Running condition - Approx. 2500 RPM

- \_\_\_\_\_ 4. Following the test equipment manufacturer's instructions, show the instructor the waveforms. Instructor OK \_\_\_\_\_

- \_\_\_\_\_ 5. Based on the comparison between the captured waveform and the specified waveform, what action is needed?

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