

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): _____

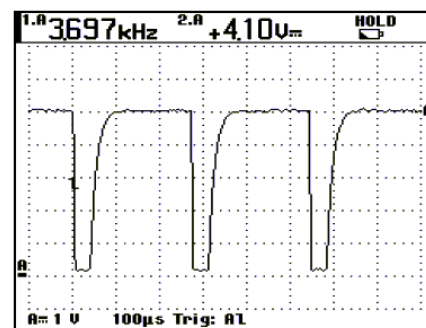
Wire 3 (color and purpose): _____

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?
