

Position Sensor Waveform Testing

Meets ASE Task: A8 – C-4 – P-1

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

Evaluation (Enter number from 4, 3, 2, 1) : _____

- ☐ 1. Check service information regarding the location and type of position sensors used on the vehicle being tested.

Crankshaft Position (CKP)

Camshaft Position (CMP)

Location (describe): _____

Type of sensor: _____

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

Crankshaft Position (CKP)

Camshaft Position (CMP)

Wire 1 (color and purpose): _____

Wire 2 (color and purpose): _____

Wire 3 (color and purpose): _____

- ☐ 3. Check service information for the specified voltage output and/or waveform for the CKP and CMP sensors. CKP _____ CMP _____

- ☐ 4. Following the test equipment manufacturer's instructions, capture the waveforms.

CKP – OK ☐ _____ CMP – OK ☐ _____

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

