

# Modes of Fuel Injection Operation

Meets ASE Task: A8 – A-1 – P-1

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

Make/Model/Year: \_\_\_\_\_ VIN: \_\_\_\_\_

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

1. Check service information for the sensors that are used to control the fuel injection system at each of the five modes of operation.

2. Starting cranking mode:

**Sensors Used**

**Why**

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

3. Acceleration enrichment mode:

**Sensors Used**

**Why**

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

4. Deceleration enrichment mode:

**Sensors Used**

**Why**

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

5. Open-loop operation mode:

**Sensors Used**

**Why**

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

6. Closed-loop operation mode:

**Sensors Used**

**Why**

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_