

# Modes of Fuel Injection Operation

**Meets NATEF Task:** (A8-A-3) Research applicable vehicle and service information, such as engine management system operation, service history, service precautions, and TSBs. (P-1)

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

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

\_\_\_\_\_ 1. Check service information for the sensors that are used to control the fuel injection system at each of the six 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**

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

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

\_\_\_\_\_ 7. Fuel shut-off mode:

**Sensors Used**

**Why**

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

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