

## IAC Scan Tool Diagnosis

**Meets NATEF Task:** (A8-B-8) Perform active tests of actuators using a scan tool; determine necessary action. (P-1)

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

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

\_\_\_\_\_ 1. Check service information for the specified IAC position as displayed on a scan tool.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 2. Check service information for the units used to express the position of the IAC.

\_\_\_\_\_ Counts

\_\_\_\_\_ Percentage (%)

\_\_\_\_\_ Milliampere (mA)

\_\_\_\_\_ Other (describe) \_\_\_\_\_



Engine Data 1	
CMP Retard	-6 °
Engine Speed	626 RPM
Desired Idle Speed	625 RPM
IAC Position	59 Counts
Desired IAC Position	58 Counts
ECT Sensor	154 °F
IAT Sensor	64 °F
MAF Sensor	5.52 g/s
Desired IAC Airflow	5.69 g/s

\_\_\_\_\_ 3. What is the IAC position on a fully warmed engine without any accessories on?

\_\_\_\_\_

\_\_\_\_\_ 4. Create a vacuum leak. How does the IAC react?

\_\_\_\_\_ IAC position decreased (usually for speed density-equipped engines)

\_\_\_\_\_ IAC position increases (usually for engines equipped with a MAF sensor)

\_\_\_\_\_ 5. Based on the test results, what is the necessary action? \_\_\_\_\_

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