

IAC Scan Tool Diagnosis

Meets NATEF Task: (A8-B-8) Perform active tests of actuators using a scan tool; determine necessary action. (P-3)

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 (%)

_____ Milliampères (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? _____
