Idle Air Control

Meets ASE Task: A8 – D-9 – P-1

Name:_____ Date:_____ Time on Task:_____

Make/Model/Year:_____ VIN:_____

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

☐ 1. The idle air control is used to control idle speed by increasing or decreasing the amount of air entering the engine like what occurs when the accelerator pedal is depressed.

☐ 2. Connect a scan tool.

☐ 3. Look at the IAC commanded position = _____ (should be 15 to 25% or counts on a warm engine in park or neutral).

OK ☐____ NOT OK ☐____

☐ 4. Diagnosis:

IAC counts higher than normal. This could indicate one or more of the following:

1. Engine not fully warm
2. Some electrical load is on, such as daytime running lights or air conditioning
3. Dirty throttle plates
4. Abnormal load on the engine

IAC counts lower than normal. This could indicate one or more of the following:

1. A vacuum leak
2. Misadjusted idle speed control
3. Stuck or binding throttle cable or linkage

☐ 5. Based on the inspection of the system, what is the necessary action?

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