Throttle Position Sensor Resistance Test

Meets NATEF Task: (A8-B-7) Inspect and test sensors, actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform 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 testing procedures and resistance values of the throttle position sensor.

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_____ **2.** After disconnecting the electrical connectors, measure the resistance of the TP sensor using a digital multimeter (DMM) set to read ohms (Ω).

a. Measure the resistance between the terminals for the 5-volt reference and the signal resistance (ground) terminal.

_____ (should be about 1000 ohms (0.8 to 1.1 KΩ)

____ **OK** ____ **NOT OK**

b. Measure the resistance between the 5-volt reference terminal and the signal wire.

_____ ohms

c. Depress the accelerator and observe the meter. Does the resistance increase or decrease? Why?

_____ _____

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_____ **3.** Based on the tests performed, what is the necessary action? _____

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