

# Secondary Ignition Inspection and Testing

**Meets NATEF Task:** (A8-A-7) Inspect and test ignition primary and secondary circuit wiring and solid state components; test ignition coil(s); 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 specifications and testing procedures for the secondary ignition wiring.

\_\_\_\_\_

\_\_\_\_\_ 2. Check coil output using a spark tester.    **OK** \_\_\_\_\_ **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 3. Carefully check the spark plug wire for damage or burned areas that could indicate a break in the insulation.

**OK** \_\_\_\_\_ **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 4. Set the digital multimeter to read ohms ( $\Omega$ ).

\_\_\_\_\_ 5. List the length in feet and the resistance values in ohms for each spark plug wire according to the cylinder number:

	Length (feet)	Ohms
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1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____

Coil wire: (if equipped)

\_\_\_\_\_



\_\_\_\_\_ 6. Results - Original equipment radio suppression wires should test 10,000 ohms (10K $\Omega$ ) or less per foot of length.    **OK** \_\_\_\_\_ **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 7. Based on the inspection and test(s), what is the necessary action? \_\_\_\_\_

\_\_\_\_\_