

# Ignition Inspection and Testing

**Meets NATEF Task:** (A8-C-2) 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. Carefully check the spark plug wire for damage or burned areas that could indicate a break in the insulation.

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

\_\_\_\_\_ 3. Set the digital multimeter to read ohms ( $\Omega$ ).

\_\_\_\_\_ 4. List the length in feet and the resistance values in ohms for each spark plug wire according to the cylinder number:

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

Coil wire: (if equipped)

\_\_\_\_\_



\_\_\_\_\_ 5. Results - Original equipment radio suppression wires should test 10,000 ohms (10K $\Omega$ ) or less per foot of length.

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

\_\_\_\_\_ 6. Based on the inspection and test(s), what is the necessary action? \_\_\_\_\_

\_\_\_\_\_