

Spark Plug Wire Inspection and Testing

Meets NATEF Task: (A8-C-1) Inspect ignition system-related problems; determine 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 (Ω).

_____ 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 Ω) or *less* per foot of length.

OK _____ NOT OK _____

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