



# Distributor Ignition Scope

**Meets NATEF Task:** (A8-C-2) Inspect and test ignition primary and secondary circuit wiring and solid state components; 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 specified procedures to follow when using a scope to test the distributor ignition.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ 2. Connect the ignition scope to the system as per the scope manufacturer's instructions.

\_\_\_\_\_ 3. Brand of scope used \_\_\_\_\_

\_\_\_\_\_ 4. Describe the hookup procedure \_\_\_\_\_

\_\_\_\_\_ 5. Start the engine and observe the secondary ignition waveform.

	<b>Firing Voltage (KV)</b> (voltage should be 5-15 KV)	<b>Spark Line Length (ms)</b> (length should be 1-2 ms)
<b>Cylinder #1</b>	_____	_____
<b>Cylinder #2</b>	_____	_____
<b>Cylinder #3</b>	_____	_____
<b>Cylinder #4</b>	_____	_____
<b>Cylinder #5</b>	_____	_____
<b>Cylinder #6</b>	_____	_____
<b>Cylinder #7</b>	_____	_____
<b>Cylinder #8</b>	_____	_____

\_\_\_\_\_ 6. OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 7. Based on the test results, what is the necessary action? \_\_\_\_\_  
\_\_\_\_\_