Ignition Scope Analysis

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 regarding the specified method for attaching and using a secondary circuit oscilloscope.

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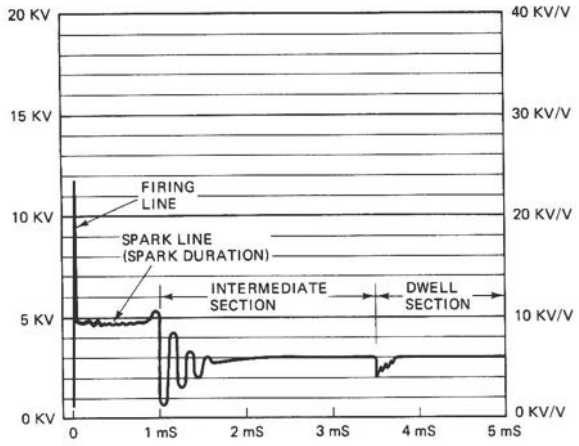

_____ **2.** Type of ignition:

☐ Distributor
☐ Waste spark
☐ Coil-on-plug

_____ **3.** Connect the ignition scope to the system as per the scope manufacturer's instructions.

_____ **4.** Brand of scope used: _____

_____ **5.** Describe the hookup procedure. _____

_____ **6.** Start the engine and observe the secondary ignition waveform.

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

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