

Scan Tool Testing of the Ignition System Meets NATEF Task: (A8-C-1) Diagnose ignition system-related problems; determine

necessary action. (P-2)

Name	Date	Time on Task _			_
Make/Model/Year	VIN	Evaluation:	4 3	2	1
		s looking at and what con		_	
2. Connect the scan tool to through the various part be viewed.		(DLC) of the vehicle and M and ignition spark timin			
Idle RPM =	Spark a	advance at idle =			
3. Slowly increase engine	speed and observe the an	mount of spark advance.			
Spark advance at 1	000 RPM = deg	grees	1C		
Spark advance at 1	500 RPM = deg	grees			8
Spark advance at 2	000 RPM = deg	grees	0.		
Spark advance at 2	500 RPM = deg	grees	7	6	
4. Scroll the display of the displayed (if the vehicle		nsor (KS) activity or timin	ng reta	ırd is	S
KS signal at idle = detected an engine	(should be zero knock.)) (The engine should not	have		
5. Increase engine speed vertard timing? Yes	while observing KS or tim No	ning retard amount. Did t	he cor	nput	er
6. Lightly tap on the enging warmed above idle specifies	ne block and observe KS ed. Was a knock detected		engine	;	
Yes	No				
7. Based on the test result	s, what is the necessary a	ction?			