NATEF TASK SHEET --- SECTION A6 A.1,6,9,13 B.1,2 C.1 D.1,3 (P-1)

SC11: COMPLETE DIAGNOSIS OF THE STARTING-CHARGING SYSTEM

This is what a good technician will do to check out the starting-charging system!

		Date:	Period:			
	Year:	Make:	Model:			
7	Transmission: _	Produ	ction Date:			
	=	-				
1. EY	EYE PROTECTION					
2. Vo	olt-Ohm-Meter w	Ohm-Meter w/Milliamp Meter				
3. VA	AT 45 and Conduc	tance Tester				
4. Te	st Lamp and Batt	Lamp and Battery Terminal Wrench				
5. Ve	hicle with fully cl	narged battery (12	.4 VDC or higher) (see ins	tructor)		
WFAR FYI	F PROTECTION!*	Use fender cover	. seat covers, and floor m	nats.**		
	-	•				
est			Test Result/Observation	Pass / Fail		
Battery Inspection		• •				
rao			1			
State-Of-Charge Conductance Test Battery			/			
Alternator Output			/			
Alternator Belt Inspection						
Alternator Belt Inspection						
			/ /			
Draw Test Test Lamp or Milliamp Meter		mps are there supposed	/			
NEEDED TO BI	E DONE TO TEST VEH	ICLE HERE:				
	a good technicia min.	n to do this diagno	osis?min.			
	Student verecomme 1. EY 2. Vol. 3. VA 4. Te 5. Ve WEAR EY Student verecomme est ction rge Test Batter atput It Inspection Test Lamp fleter NEEDED TO B	Transmission: Student will perform a correcommend repairs neces. 1. EYE PROTECTION 2. Volt-Ohm-Meter w. 3. VAT 45 and Conduct 4. Test Lamp and Batt 5. Vehicle with fully cl WEAR EYE PROTECTION!* Student will perform a correcommend repairs neces. Inspect be hold-down Test Battery CCA Rating / Meter CCA Rating / M	Transmission: Produ Student will perform a complete Starting—Chrecommend repairs necessary to bring systems. 1. EYE PROTECTION 2. Volt-Ohm-Meter w/Milliamp Meter 3. VAT 45 and Conductance Tester 4. Test Lamp and Battery Terminal Wrer 5. Vehicle with fully charged battery (12) WEAR EYE PROTECTION!* Use fender cover student will perform a complete Starting—Chrecommend repairs necessary to bring systems to bring systems to be and Percentage full Test Battery CCA Rating / Actual CCA Measured 1. Inspection 1. Inspection 1. Inspection 1. Inspection 2. Inspection 3. It there? Is it worn? 1. Is it cracked, frayed, or damaged? 1. Expected Amps, Actual Amps, and Lowest Voltage Reading 2. Is the test lamp bright, dim, or not lit? How many milliamps are there supposed to be? Specifications/Measured 1. NEEDED TO BE DONE TO TEST VEHICLE HERE:	2. Volt-Ohm-Meter w/Milliamp Meter 3. VAT 45 and Conductance Tester 4. Test Lamp and Battery Terminal Wrench 5. Vehicle with fully charged battery (12.4 VDC or higher) (see ins WEAR EYE PROTECTION!* Use fender cover, seat covers, and floor m Student will perform a complete Starting—Charging system diagnosis recommend repairs necessary to bring systems to factory specification in the second set in the second second set in the second		

Instructors Evaluation

LEVEL OF SKILL ATTAINED	Initial	Overall Skill Evaluation	Points
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMED INDEPENDENTLY (4)		SAFETY COMPLIANCE* (1)	
CAPABLE, NEEDS PRACTICE (3)		Work Professionalism** (3)	
Assisted in Performing (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		Total Score	
INSTRUCTOR'S SIGNATURE:			