

NATEF
TASK SHEET --- SECTION A.6 A.3 B.1, 2, 5 D.1, 2 (P-1)

Charging System Diagnosis

Student: _____ Date: _____ Period: _____

VIN: _____ Year: _____ Make: _____ Model: _____

Engine: _____ Transmission: _____ Production Date: _____

Objective: Student will check battery state-of-charge, charge battery if below 75%, test battery, test alternator, and make recommendations to bring charging system up to factory specifications.

- Materials**
1. **EYE PROTECTION**
 2. **Battery conductance tester**
 3. **D.M.M. (D.V.O.M.)**
 4. **Battery Charger**
 5. **Vehicle (see instructor)**

Procedures: WEAR EYE PROTECTION!

Test	Result	Specifications	Pass or Fail
Battery SOC		12.4 or higher	
Battery Test		CCA Rating on Battery	
Alternator Test		13.5-14.5 VDC	

Your Recommendations: _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	Initial	OVERALL SKILL EVALUATION	Points
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (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:			