

## NATEF TASK SHEET --- SECTION A6 B.1, 5 (P-1)

### **A6B5: CHARGE BATTERY: FILLING UP THE BATTERY!**

Student: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

Year: \_\_\_\_\_ Make: \_\_\_\_\_ Model: \_\_\_\_\_ Engine: \_\_\_\_\_

Cold Cranking Amp Rating of Battery: \_\_\_\_\_ CCA

**OBJECTIVE:** Student will check a battery's state of charge, charge the battery in or out of a vehicle, recheck the state of charge, and make recommendations.

- MATERIALS:**
1. **EYE PROTECTION**
  2. Volt meter
  3. Battery Charger
  4. Vehicle or Battery (see instructor)

**CAUTION: EXPLOSION HAZARD!**

**PROCEDURE: WEAR EYE PROTECTION!** Watch power point SC2. Read entire task sheet before starting task. Use fender covers, seat covers, and floor mats. Verify state of charge. ***Record state of charge below.*** Hook up positive clamp on charger to battery positive post. Hook negative lead on battery charger to good ground on engine block. Set battery charger settings according to directions on charger. Set timer for appropriate time charging.

**LAST, PLUG CHARGER INTO 110 VOLT AC OUTLET!**

**After Charging:**

**Unplug charger first, disconnect clamps, and check battery voltage.**

**RECORD DATA:**

1. VOLTAGE READING BEFORE CHARGING: \_\_\_\_\_ VOLTS DC \_\_\_\_\_ PERCENT FULL

2. VOLTAGE READING AFTER CHARGING: \_\_\_\_\_ VOLTS DC \_\_\_\_\_ PERCENT FULL

3. DID THE BATTERY VOLTAGE GO UP AFTER CHARGING? \_\_\_\_\_

4. YOUR RECOMMENDATIONS: \_\_\_\_\_

*DOES THE BATTERY STILL NEED MORE CHARGING?*

5. WHAT ORDER DO YOU HOOK UP THE THREE BATTERY CHARGER CABLES?
- \_\_\_\_\_ WALL PLUG  
 \_\_\_\_\_ BLACK CLAMP  
 \_\_\_\_\_ RED CLAMP

**INSTRUCTORS EVALUATION**

LEVEL OF SKILL ATTAINED	<i>Initial</i>	OVERALL SKILL EVALUATION	<i>Points</i>
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMED INDEPENDENTLY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		<b>LEVEL OF SKILL ATTAINED (1-5)</b>	
EXPOSURE, OBSERVATION (1)		<b>TOTAL SCORE</b>	
<b>INSTRUCTOR'S SIGNATURE:</b>			