

NATEF TASK SHEET --- SECTION A.6 A.7,13 B.1 P-1

SC10: KEY OFF BATTERY DRAW TEST (IS THE BATTERY BEING DRAINED?)

Student: _____ Date: _____ Period: _____

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

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will determine if an abnormal “Key OFF Battery Draw” is present.

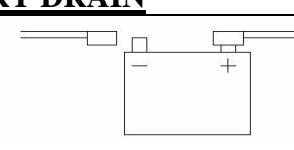
- MATERIALS:**
1. **EYE PROTECTION**
 2. Hand tools, DVOM, and Test Light
 3. Vehicle (see instructor)

PROCEDURE: **Watch Power Point Demonstration SC10.**

WEAR EYE PROTECTION! Use fender cover, seat covers, and floor mats. Check battery *state of charge*. __. __ volts. If less than **12.4** volts, *charge battery*. Check test light for proper operation. (Hook up across battery and note brightness). Turn ignition key OFF and remove keys from ignition. Make sure all electrical devices and lights are OFF. Make sure all doors are closed and hood light is disconnected (where applicable).
Remove battery negative cable.

DO NOT DISCONNECT BATTERY POSITIVE CABLE!, IT MAY TRIGGER AIR BAG DEPLOYMENT. Hook up test light clamp to negative battery post. Touch pointed end of test light to negative battery cable end.
Note Results Below. Reconnect battery negative cable and reset clock, radio stations and alarm.(where applicable)

Note Draw Test Results:

_____ Test light does not light (PASS)	<u>NO BATTERY DRAIN PRESENT</u>
_____ Test light lights brightly (FAIL)	<u>ABNORMAL DRAIN PRESENT</u>
_____ Test light lights dimly (PASS)	<u>NORMAL MEMORY DRAIN</u>
_____ <u>PASS BATTERY DRAW TEST</u>	<i>Draw diagram showing correct way to hook up test lamp to check for draws on battery illustration at right.</i> 
_____ <u>FAIL BATTERY DRAW TEST</u>	

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:			

SC10/DRAWTEST/07-12-07/vdb