

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

SC10B: KEY OFF PARASITIC 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 “Parasitic Battery Draw” is present.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Hand tools, DVOM w/Ammeter
 3. Vehicle (see instructor)

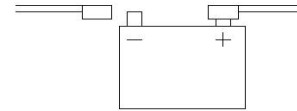
PROCEDURE: WEAR EYE PROTECTION! Use fender cover, seat covers, and floor mats. Check battery *state of charge*. ___ volts. If less than **12.4** volts, *charge battery*. Check DVOM for proper operation. Turn ignition key OFF and remove keys from ignition. Make sure all electrical devices and lights are OFF. Make sure all doors are closed and hood light is disconnected (where applicable). Remove battery negative cable. Put DVOM on 10 amp scale and make sure positive lead is in the proper socket on DVOM. Touch DVOM negative lead (black) to battery (-) post. Touch positive lead of DVOM to negative battery cable end. Note milliamps measured. Check again after five minutes.

Note Results Below. Reconnect battery negative cable and reset clock, radio stations and alarm.(where applicable)

Note Draw Test Results:

_____ Maximum milliamp draw specifications
 _____ Milliamps measured
 _____ Milliamps measured after five minutes
 _____ **PASS** _____ **FAIL**

Draw diagram showing correct way to hook up DVOM to check for draws on battery illustration at right.



Under what circumstance would a technician perform this test? _____
 What did your results tell you? _____
 Did the draw change after five minutes? _____ If so, why? _____

YOUR RECOMMENDATIONS:

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:			