

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

## A6A12: 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)

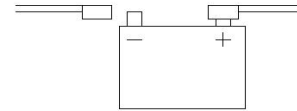
**PROCEDURE: WEAR EYE PROTECTION!** Use fender cover, seat covers, and floor mats. Check battery *state of charge*. \_\_. \_\_ volts. If less than **12.4** volts, *charge battery*. Check DVOM for proper operation. Turn ignition key OFF and remove keys from ignition. Make sure all electrical devices and 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)		<b>LEVEL OF SKILL ATTAINED (1-5)</b>	
EXPOSURE, OBSERVATION (1)		<b>TOTAL SCORE</b>	
<b>INSTRUCTOR'S SIGNATURE:</b>			