Key Off Battery Drain

Meets ASE Task: (A6-A-8) P-1 Measure and diagnose the cause(s) of excessive key-off battery drain (parasitic draw); determine the needed action.

Name		Date	Time on Task				
Make/Model/Year		VIN	Evaluation:	4 3	3 2	; 1	1
2		d be performed if a batter cause of the dead battery	, , ,	to det	ermi	ne	
1. Perform	n a visual inspect	ion and check if the follo	wing are turned on:				
b. c.	The interior ligh Vanity mirror(s)		/	have b	een	on	
	-	accessories off. Close al nder-the-hood lamp if equ		A A A			
3. Discon	nect the negative	(-) battery cable.	<	Q	Z		
4. Select I	OC amperes on a	digital multimeter.			1.2		
5. Connec	t the black meter	lead to the negative term	ninal of the battery.				
6. Connect the amr		ad to the disconnected ca	able end and read				
	amps of bat 0.05A (50 n	tery electrical drain [shounA)]	ald be less than				
OF	K	NOT OK					
7. What is	the needed actio	n?					_

8. Reconnect the battery, reset the radio presets, and set the time on the vehicle clock.

HINT: If possible, use a clip-on type digital multimeter or an amp probe to measure the battery drain. Using this equipment prevents the need to disconnect the battery cable and then have to reset the radio and the clock.