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 necessary action.

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
A battery electrical drain test should if a battery electrical drain was the ca	-	• • •
1. Perform a visual inspection	on and check if the follo	wing are turned on:
b. The interior lightc. Vanity mirror(s) l	ight(s)	mpartment light) ting that the bulb may have been on
2. Turn the ignition and all a trunk. Disconnect the unc		
3. Disconnect the negative (-	-) battery cable.	
4. Select DC amperes on a d	igital multimeter.	
5. Connect the black meter le	ead to the negative term	ninal of the battery.
6. Connect the red meter lead the ammeter.	d to the disconnected ca	able end and read
amps of batte 0.05A (50 m/s	ery electrical drain [shou A)]	ald be less than
OK	NOT OK	
7. What is the necessary acti	on?	
8. Reconnect the battery, res	et the radio presets, and	I set the time on the vehicle clock.
•		multimeter or an amp probe to nent prevents the need to disconnect

the battery cable and then have to reset the radio and the clock.