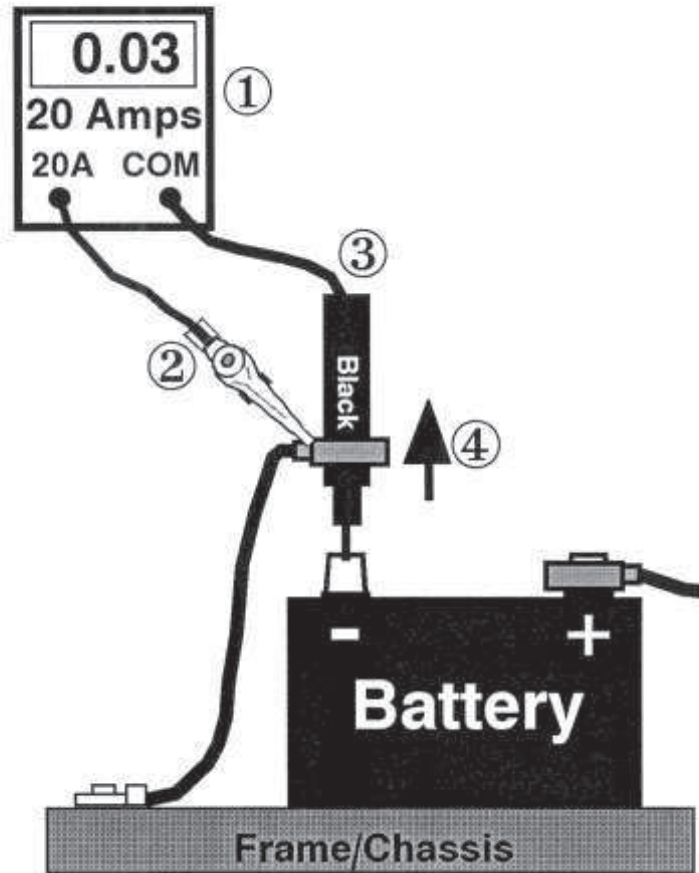




Quick Test for Key-Off Battery Drain



Procedure:

1. Set-up DMM to measure 10/20 Amps (which ever your DMM has).
2. Connect a test lead terminated in an alligator clip between the 20A jack and the negative battery cable end as shown.
3. Connect Black (-) test lead probe tip to the top of the battery negative post.
4. Lift battery negative cable off the post and up over the Black test lead.

Explanation: When the cable clamp is lifted up and off the battery negative post the DMM's 20A measuring circuit maintains connection between the battery negative post and the electrical system. There is no interruption in battery voltage to the electrical system. This prevents on-board computers from powering down and loosing data while checking key-off drain. Any key-off drain is indicated on the DMM. In the above example the key-off drain is 0.03A or 30 mA.

Suggestion:

Loosen negative battery cable clamp before starting this test. When test is completed push the negative cable clamp back down on the negative battery post **BEFORE REMOVING THE Black DMM TEST LEAD FROM THE NEGATIVE POST**. Retighten the negative cable clamp to the battery negative post.