





#### Your Instructor For This Seminar

## "G" Jerry Truglia

- National Trainer, ASE World Class, Master Auto, Truck, School Bus, L1, L3, CNG and...
- ATTP Master Instructor, New York State, CT and New Jersey
- STS (Service Technician Society) 2003 President
- TST (Technicians Service Training) Founder and President
- Author / Co Author/ Technical adviser on 25 plus books including OBD II and Mode 6, and Understanding and Diagnosing Hybrid Vehicles
- Published articles for multiple newsletters, and magazines
- Picked as one of the Top Instructors in the country by EPA & SAE
- Numerous Radio, TV, Internet, and SAE Video appearances
- PTEN, MotorAge and TST Webcast Instructor
- Motor Magazine Top 20 award winner
- Provider of OBD II Training for 14 states, Ontario Canada and the US EPA
- Guest speaker at SAE Congress, IM Solutions and Clean Air Conference

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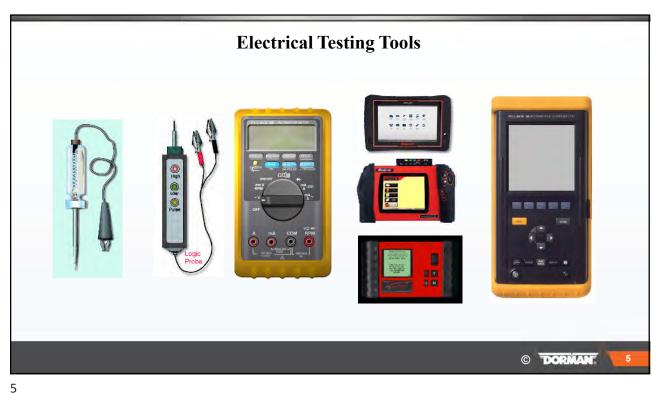
### What We Will Cover:

In this Dorman Lunch & Learn we will provide an overview of the DVOM meter along with how to test electric circuits with it. This webinar is a great review for the seasoned tech and an excellent starting point for someone that may not know as much as they need to know about what test the meter can perform.

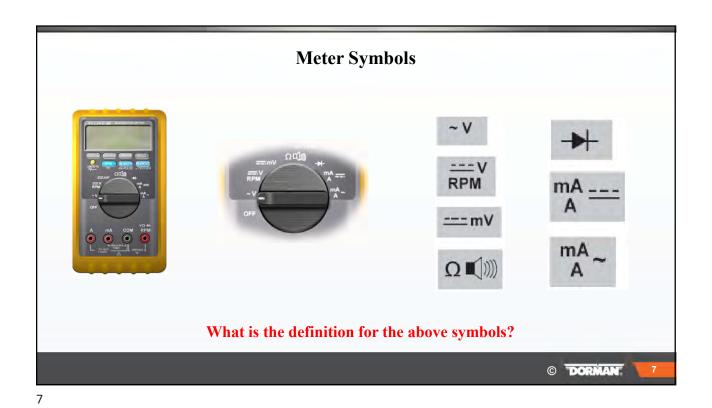
## **Topics covered include:**

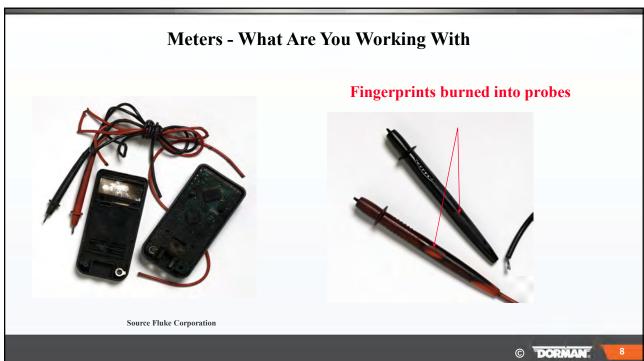
- Meter usage (DMM) All about the meter
- Circuits and circuit testing
- Voltage Drops

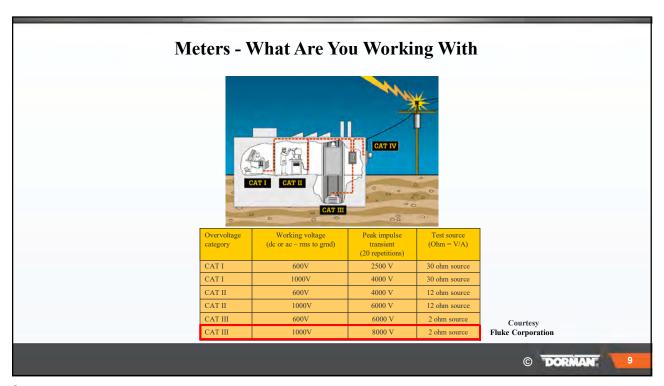


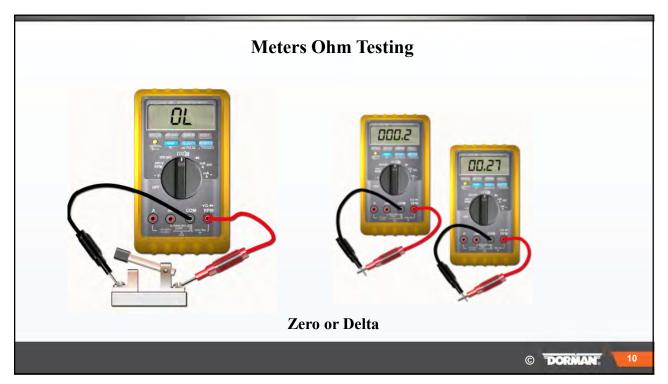


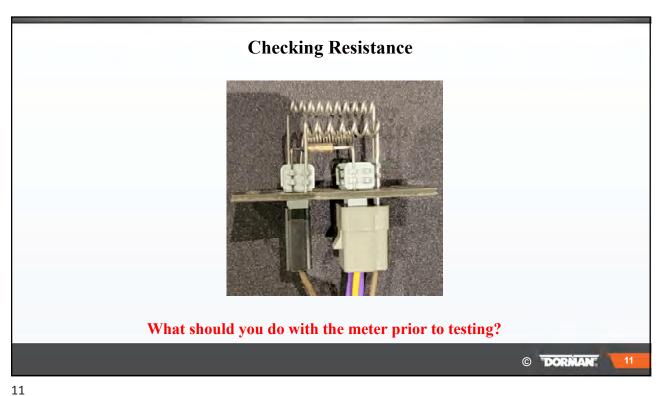


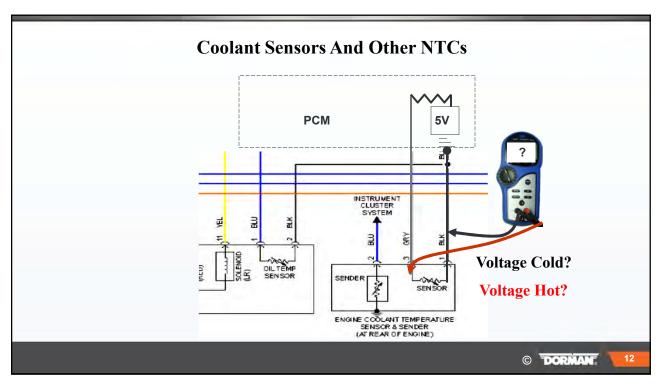


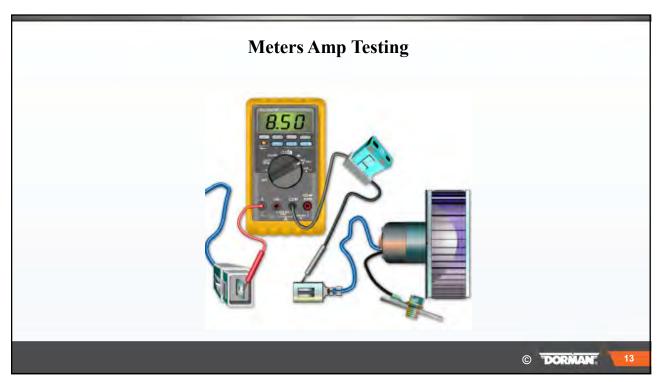


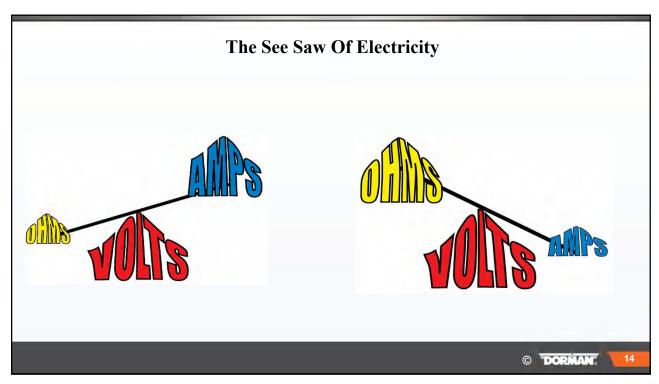


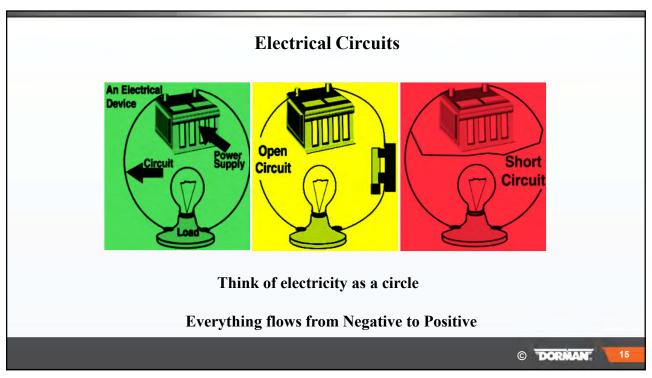


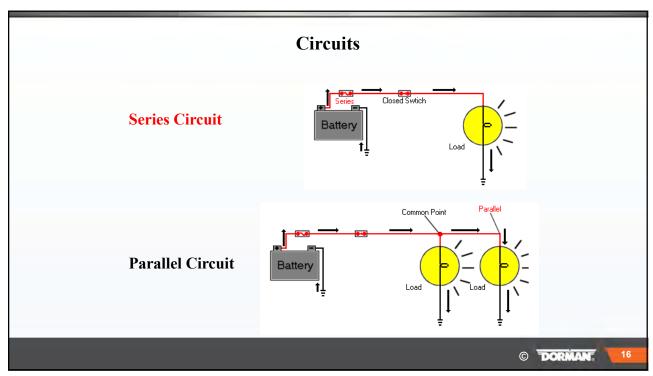


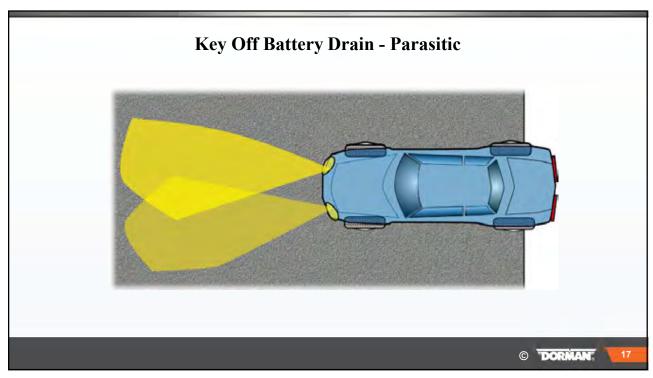


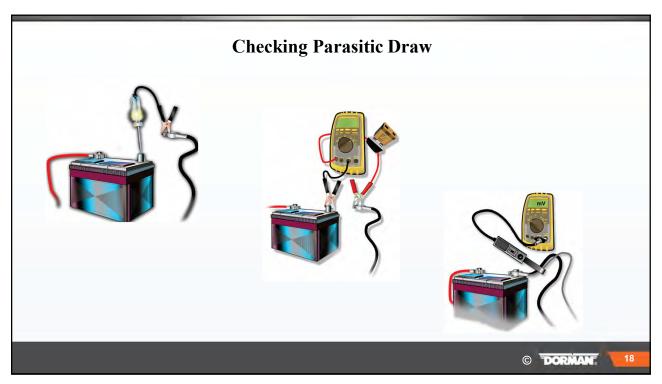


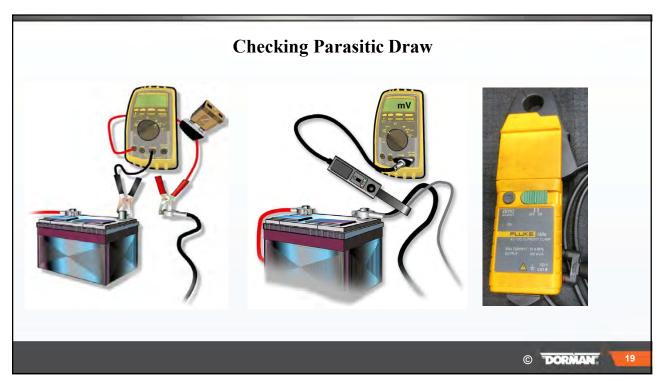


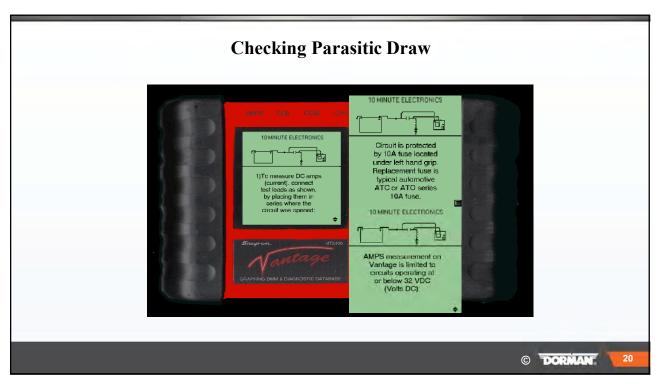




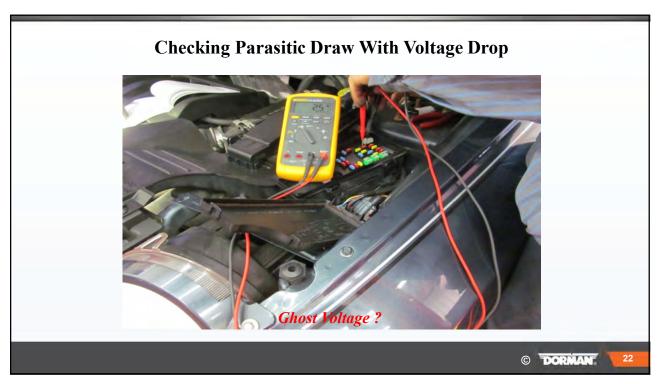




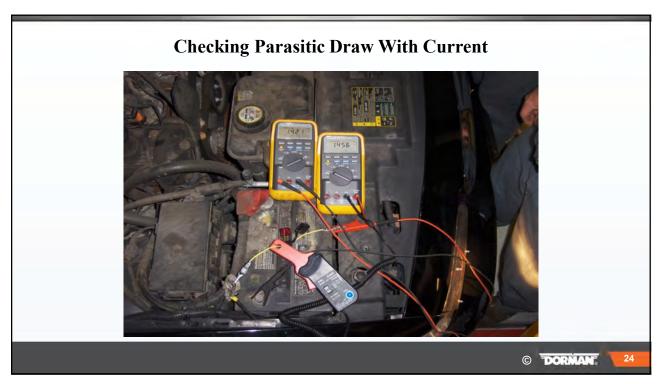


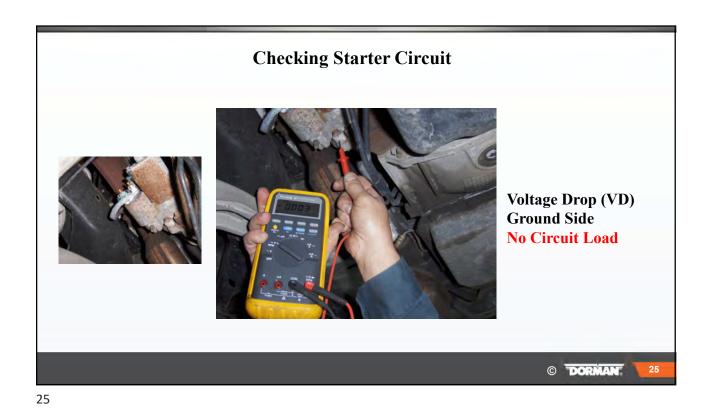


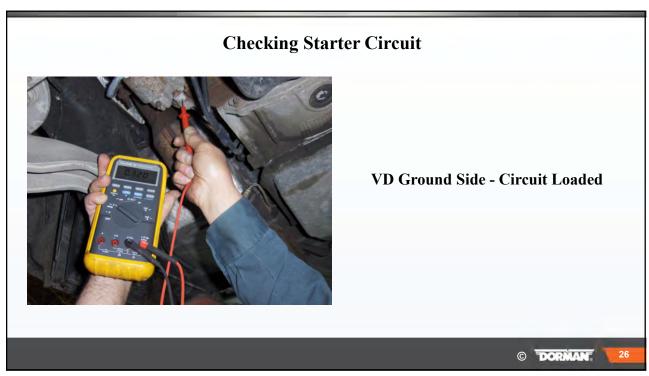
Parasitic Draw				
Courtesy of General Motors Corp.				
GENERAL MOTORS PARASITIC LOAD TABLE (MILLIAMPS)				
Component	Norma: Draw	1	Maximum Draw	Time-Ou (Minutes
Anti-Theft System				
Auto Door Lock				
Body Control Module				2
3 1	1.6			2
	5.6			
Electronic Level Control				2
Heated Windshield Module				
HVAC Power Module				
Illuminated Entry				
Light Control Module				
Oil Level Module				
Multi-Function Chime				
Pass Key Decoder Module				
Power Control Module				
Retained Accessory Power				
Twilight Sentinel Module				
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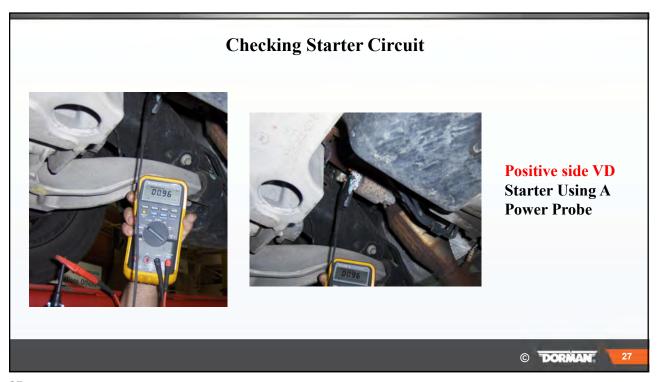


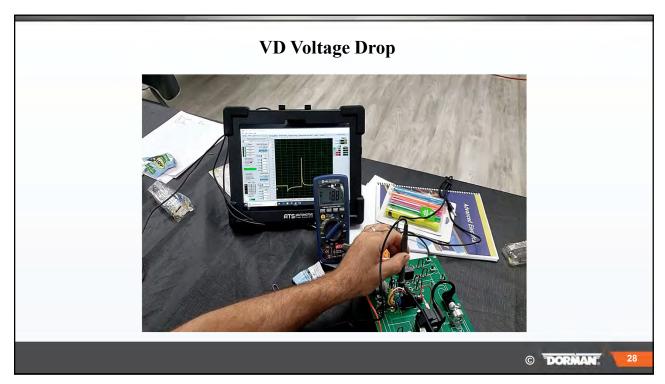


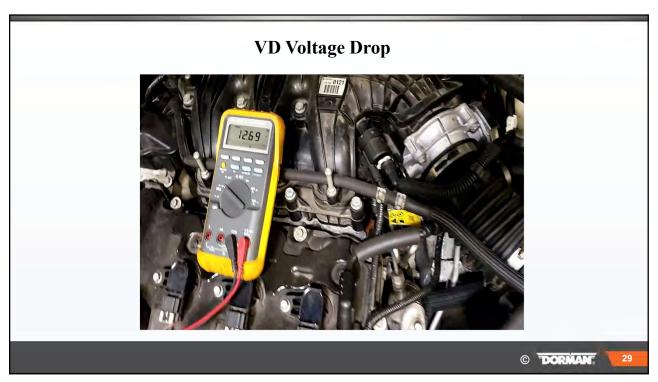


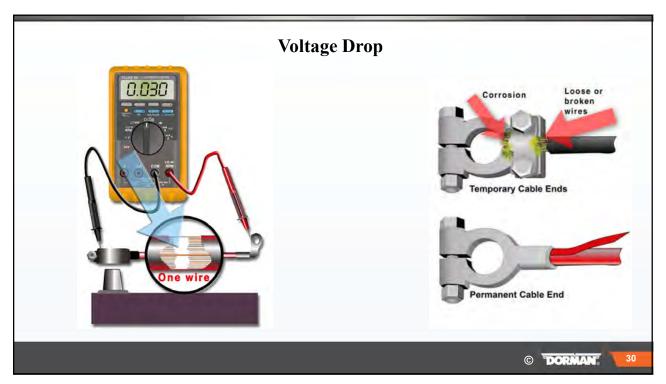


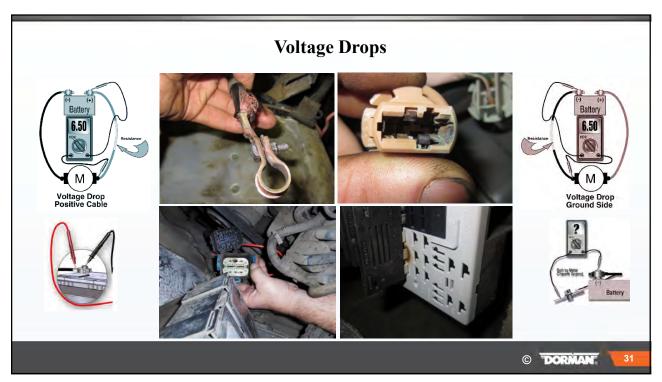


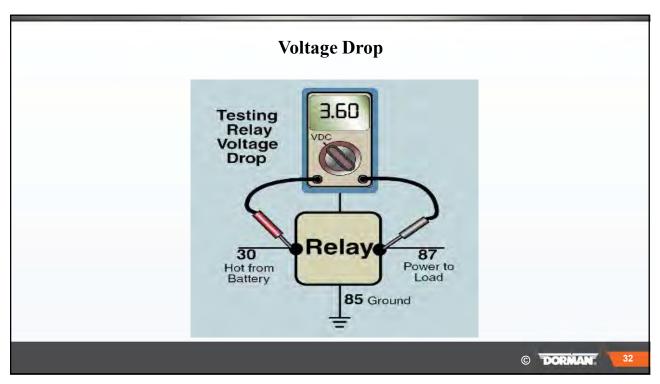












# Voltage Drops



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### **VW Burned Connector**

The fuse block with a burned block was replaced. After cleaning the terminal and replacing the fuse block, the block was getting so hot that it could not be touched. The shop realized that there was something wrong, so they call us to diagnosis. We

performed a voltage drop test from the alternator B + terminal to the batter B+. The

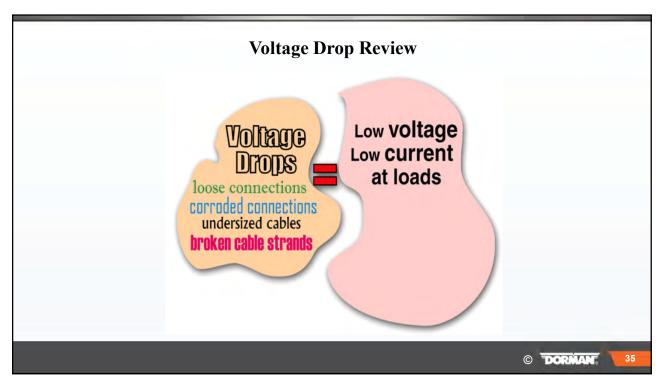
reading was .2 or 200mv, however after further investigation we found the entire .2 drop to be in the crimp of the eye terminal.

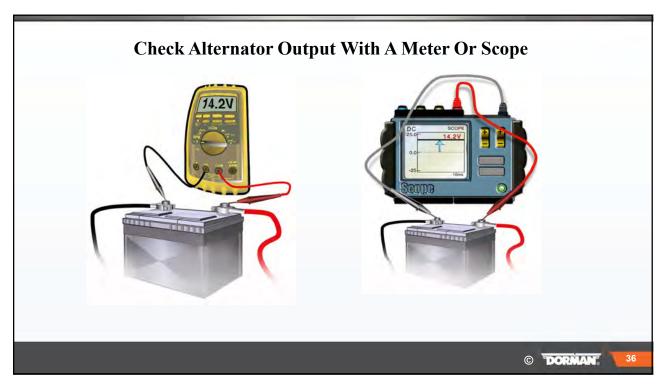
The FIX was replacing the eye terminal. This was too much of a voltage drop in such as short distance.

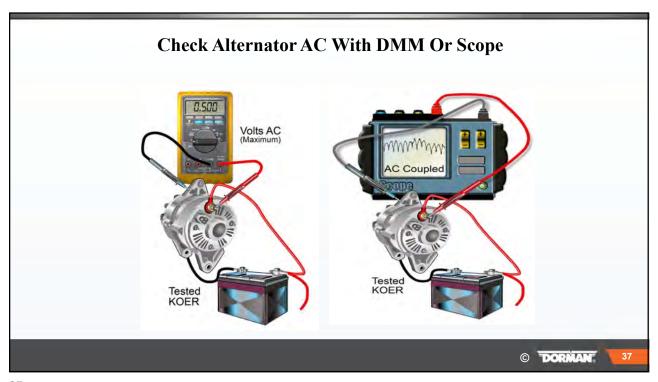


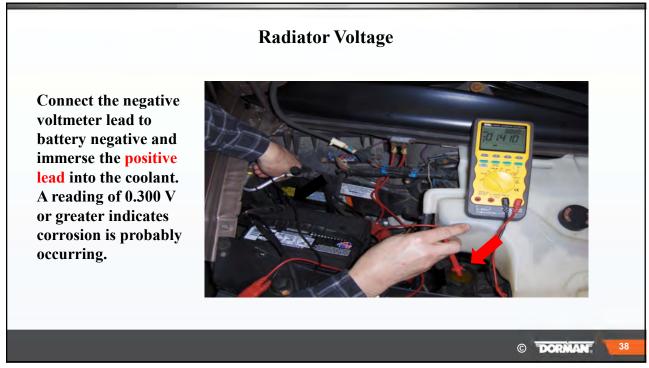
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## **Radiator Voltage**

Connect the positive lead voltmeter lead to battery positive and immerse the negative lead into the coolant. Note that system voltage will be displayed.

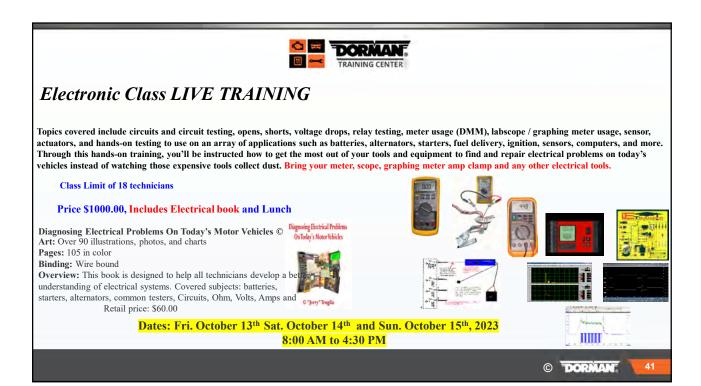


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6 Week On-Line Electronic Class - 90 mins. ea.

6 Week One Night per (Monday) On-line Electronic Class

The classes will cover elec. circuits & circuit testing using a HANDS On approach using a DMM and the Elenco Snap Circuit board. It will cover Voltage testing Including Voltage Drops, Open, shorts, relay testing, meter usage, labscope usage, batteries, starter, alternators and more.....

Dates: Starts October 2<sup>nd</sup>, 2023
6:30 PM to 8:00 PM EST



