

## Electrical Essentials: Streamlining Electrical Diagnosis

live, hands-on training with  
**Kevin Leiby**



Accurate and efficient electrical diagnosis relies on a solid foundation of electricity and how circuit configuration impacts what to expect within the circuit as it relates to voltage, amperage, and resistance.

This class will cover the various circuits we encounter in the automotive industry and allow you to develop skills to build expectations for the tests you perform. Have you ever performed a test on a circuit or component and looked at the numbers on your DVOM or the waveform generated on your oscilloscope and wondered if the displayed information was good or bad?

Learn to build dynamic test approaches, even non-intrusive test approaches to circuitry and components that will far exceed the capabilities of a static test offered up in service information to uncover those hard to find, intermittent problems.

Learn how your equipment measures, captures, and displays information. Does your meter display Hz and Duty Cycle percentage and if so, does it measure the duty cycle percentage when the signal is high or low? Do you understand how the circuit is controlled and how to set the meter for proper measurement of the signal?

Learn to combine tools to unlock diagnostic potential and test the entire circuit and control features as well as confirm that communication is possible.

Understanding the limitations of tests and test equipment is essential to allow the technician to understand and choose the tooling best fitted for the test at hand. This will lead to more accurate and efficient diagnosis.

Whether you are looking to enhance your diagnostic ability with a DVOM or scope, there are practices and procedures in this class to enhance your diagnostic abilities.



Saturday, Feb 12, 2022



9:00am-3:00pm



J&S Automotive  
542 S Cavalier  
Springfield, MO 65802

**Members: \$150**  
**Non-Members: \$175**  
includes breakfast,  
lunch & training

for shop  
owners and  
technicians

*Register at* **MWACA.org/events**  
*Questions?* **816.413.9800**