



Cedar Rapids Chapter

Maximizing Your Snap-On Oscilloscope - Hands-On Training

presented in person
by Kevin Leiby



Saturday, April 23, 2022



8:00am - 4:30pm



Kirkwood Community College
Automotive Technology Center
101 50th Ave SW
Cedar Rapids, IA 52404

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

This class is designed for those who have invested in a Snap-On Oscilloscope and have struggled to find real world instruction on how to fully utilize its capabilities. Whether you are utilizing one of the generations of Modis, Verus, Zeus, or Triton D-10 this class is designed to assist you in unlocking your scopes potential.

A complete understanding of circuit configuration is vital in the development of dynamic, non-intrusive tests to truly unlock your diagnosis on those intermittent problems as well as developing testing practices that far exceed factory flow charts.

Join us to learn tips and tricks for navigation and setup to help you acquire the best waveform captures possible, along with signal combinations for efficient and accurate diagnosis. Learn the best time and voltage base settings for signal acquisition as well as types of triggers, trigger slope and when to use one. Understand peak-detect and filtering, as well as AC coupling.

Learn how to perform test developed to rapidly baseline engine mechanicals, pinpoint misfires, and how to easily uncover the source-whether mechanical, ignition or fuel related. Couple your scope with a pulse sensor or pressure transducer to go inside the tailpipe for relative compression and misfire diagnosis. Learn to evaluate pressure pulses in the intake manifold and crankcase to uncover problems associated with loss of volume in the combustion chamber. Monitor pressure fluctuations in the fuel delivery system to confirm mechanical fuel delivery. Additional testing to isolate the sources of noises.

The class will include a color manual and 8-hours of combined classroom and hands on instruction on vehicles.

Come join us to enhance your diagnostic abilities and maximize the power of your Snap-On scope!

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

for owners,
managers, and
technicians

Upcoming Events

May 10, 2022
Alignment Training
Kirkwood Community College