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TRAINING DAY

SAT., FEB. 21, 2026

Training Classes 8:00 am-5:00 pm / Breakfast, lunch & snacks included with fee
Lincoln Tech of Columbia / 9325 Snowden River Parkway, Columbia, MD

ALL-DAY SESSIONS: 8 a.m.-5p.m.

- 1** **Combustion, Carbon and Carnage... Diagnosing Difficult Fuel and Oil Deposit Related Driveability Concerns**
Presenter: Gary Smith
- 2** **Pressure Waveform Acquisition and Analysis, From the Inside Out**
Presenter: Brandon Steckler

MORNING SESSIONS: 8 a.m.-Noon

- 4** **Core Electrical Theory**
Presenter: Aris Currie
- 5** **Taking the Blind Spot Out of Calibration (8am-11am)**
Presenter: Steve Dawson
- 6** **Skill Development Process**
Presenter: Michelle Wood, ATI

AFTERNOON SESSIONS: 1 p.m.-5 p.m.

- 7** **Electrical Class - Intermediate**
Presenter: Aris Currie
- 8** **Advanced Sales**
Presenter: Michelle Wood, ATI
- 9** **Motor Oil 101**
Presenter: Jamie Atkinson

- ✓ **BREAKFAST** 7:15 a.m.-onwards
- ✓ **LUNCH** 11:30 a.m.-1:00 p.m.

Attendee 1: _____ ALL DAY # _____ MORNING # _____ AFTERNOON # _____

Attendee 2: _____ ALL DAY # _____ MORNING # _____ AFTERNOON # _____

Attendee 3: _____ ALL DAY # _____ MORNING # _____ AFTERNOON # _____

Attendee 4: _____ ALL DAY # _____ MORNING # _____ AFTERNOON # _____

CONTACT INFORMATION

Contact Person: _____

Company Name: _____

Mailing Address: _____

City/State/Zip: _____

Phone _____ E-mail: _____

REGISTRATION FEES

Member Registration _____ @ \$249/ea.

Non-Member Registration _____ @ \$299/ea.

Total Amount Due: \$ _____

(*Breakfast, Lunch & Snacks included with registration)



PAYMENT INFORMATION

Check Enclosed (Payable to WMDA)

Bill my credit card: Visa MasterCard American Express

Account # _____ CVV Code: _____

Exp.Date: _____ Billing Address Zip Code: _____

Account Name (print): _____

Signature: _____

or Checking this box is my electronic signature

REGISTRATION FORM SUBMISSION OPTIONS:

Mail (by February 13): WMDA, 1532 Pointer Ridge Place, Ste. F, Bowie, MD 20716

Email: ssripada@wmdacar.com Fax: 301.383.2725 Tel: 301.390.0900

TRAINING DAY 2026 SESSION DESCRIPTIONS

ALL-DAY SESSIONS: 8 a.m.–5 p.m.

1. Combustion, Carbon and Carnage...Diagnosing Difficult Fuel and Oil Deposit Related Driveability Concerns

Presenter: Gary Smith (8 hours)

- This class looks at how fuel and oil depositing play a MAJOR role in getting the diagnosis RIGHT THE FIRST TIME on these modern close tolerance, fast-fuel controlled GDI vehicles.
- Learn the HOW and WHY behind deposit fouling and translate this with your scan and scope data via the BASELINE diagnostic approach.
- This is an eye-opening class for techs, advisors and shop owners alike, and talks about critical knowledge that the OEMs are NOT teaching today...
- Learn how adding this diagnostic strategy to your mix can save time, prevent unnecessary parts replacement, and have LESS DRIVEABILITY COMEBACKS.
- A Must-See class for all shops that work on driveability concerns.

PM session will be fully Hands-on.

For: Technicians, Advisors & Shop Owners

2. Pressure Waveform Acquisition and Analysis, From the Inside Out

Presenter: Brandon Steckler (8 hours)

The course objective is to take the pressure-transducer novice to a whole new level. The goal is for someone with lab scope/engine mechanical-operation knowledge, to gain the ability to capture pressure waveforms (from the intake manifold/tailpipe and in-cylinder) and be able to use the information to make diagnostic-decisions. The course will cover transducer functionality with both absolute transducers as well as delta transducers. It will touch on the benefits and characteristics of both types of transducers and how they can be used to gain an edge. Diagnostic-approach will be carried out using a real world example case study from my own library.

The afternoon portion of this 8 hr class will contain hands-on demonstration leveraging both the absolute and delta transducers. I will demonstrate on a live-vehicle, how to perform the following acquisitions.

- Cranking in-cylinder, intake, and tailpipe capture (Known-good and faulted)
- Misfire identification through tailpipe pulse analysis
- Proper scope set-up and waveform acquisition/storage
- Waveform analysis and annotation
- Misc. Requests from attendees (Q+A)

Attendees leave with confidence to invest in the tooling and to perform pressure testing and analysis to improve accuracy and efficiency.

PM session will be fully Hands-on.

For: Technicians

MORNING SESSIONS: 8 a.m.–Noon

4. Core Electrical Theory

Presenter: Aris Currie, Aris Automotive

Core Electrical Theory

- Fundamental Terms: Defining Voltage (pressure), Amps (volume/flow), and Resistance (restriction).
- Ohm's Law & Watt's Law: Understanding the mathematical relationship between voltage, current, and resistance to predict circuit behavior.
- Circuit Types: Identification and properties of series and parallel circuits, which are the building blocks of vehicle wiring.
- Magnetism & Electromagnetism: Basic principles that allow motors, solenoids, and alternators to function.

Essential Diagnostic Tools

- Digital Multimeter (DMM/DVOM): Hands-on training for measuring voltage, resistance, and continuity safely.
- Test Lights: Proper use of basic test lights for quick power and ground verification.
- Wiring Diagrams: Introduction to reading automotive schematics, identifying symbols, and understanding color codes.

Major Vehicle Systems

- Batteries: Basics of battery chemistry, maintenance, and testing for state of charge and health.
- Starting Systems: Overview of starter motor operation, relays, and solenoids.
- Charging Systems: Basic alternator function and checking for proper charging voltage.
- Circuit Protection: Identifying and testing fuses, fusible links, and circuit breakers.

Shop Safety

- Safety Procedures: Safe handling of electrical components, avoiding short circuits, and proper use of Personal Protective Equipment (PPE).

For: Technicians, Entry Level & up

5. Taking the Blind Spot Out of Calibration (8 a.m.–11 a.m.)

Presenter: Steve Dawson, Hunter Engineering

Whether you are subletting or calibrate in-house, Learn what you need, how to communicate, the real story on space requirements, the risks and liabilities, and how to be profitable. All while ensuring your customers are safe and happy!

For: Techs, Service Advisors and Shop Owners

6. Skill Development Process

Presenter: Michelle Wood, ATI

This training focuses on communication mastery and core shop processes. Advisors learn how to adapt their communication styles, collaborate effectively with technicians, and manage workflow to improve efficiency and customer experience.

For: Service Advisors & Shop Owners

(Continued on next page)



TRAINING DAY 2026 SESSION DESCRIPTIONS

AFTERNOON SESSIONS: 1p.m.–5 p.m.

7. Electrical Class - Intermediate

Presenter: Aris Currie, Aris Automotive

Advanced Diagnostic Testing

- Voltage Drop Mastery: Beyond the definition, students learn how to perform “live” circuit testing on both power and ground sides to find high resistance.
- Intermittent Fault Detection: Strategies for capturing “ghost” electrical issues that only happen occasionally, often using Min/Max peak detect modes on a digital multimeter (DVOM).
- Introduction to Lab Scopes: A rapid overview of setting up an oscilloscope, making connections, and interpreting voltage/current waveforms.

System-Specific Troubleshooting

- Schematic-Based Diagnostics: Intensive practice in using wiring diagrams and color-coding to trace circuits through modules and connectors.
- Relay and Solenoid Testing: Advanced methods to determine the “bias state” of relays and test coil efficiency.
- Network & CAN Bus Basics: A fast-paced update on serial data communication and diagnosing modern vehicle networks.

Component Analysis

- Advanced Sensor Diagnostics: Specific testing procedures for speed sensors, cam/crank correlation, and oxygen sensors.
- Electric Motor Testing: Evaluating the health of window motors, wipers, and other actuators.
- Parasitic Draw: Efficient methods for identifying which module is draining a battery when the vehicle is off.

For: Technicians, B-level & up

8. Advanced Sales

Presenter: Michelle Wood, ATI

Designed to refine sales and customer engagement skills, this class teaches advisors how to overcome objections, maximize repair approvals, and build long-term customer loyalty that extends beyond a single visit.

For: Service Advisors & Shopowners

9. Motor Oils 101 (1 p.m.–4 p.m.)

Presenter: Jamie Atkinson, Reit Lubricants

Automotive Lubricants update. Discuss new Specifications, fluids & viscosity

For: Techs, Advisors & Shopowners

TRAINING DAY POWERED BY:



2026 UPCOMING EVENTS



FEB. 3-APR. 14

LEGISLATIVE TUESDAYS — via Zoom
(Link will be sent separately)

TBD

GENERAL MEMBERSHIP MEETING *(Information coming soon)*

JUNE 9

8TH ANNUAL GOLF OUTING at Renditions

OCT. 15

MAFCAS 2026 at Maryland Live