



presents the

*33rd Annual
Emergency & Municipal Apparatus
Maintenance Symposium*

September 15 thru 19, 2025
at the

OHIO FIRE ACADEMY

Check online for updates to this schedule: oavt.org

The Ohio Association of Emergency Vehicle Technicians will present it's 33rd Annual Emergency & Municipal Apparatus Maintenance Symposium September 15 thru 19, 2025. Classes will be conducted at the Ohio Fire Academy 8895 E. Main St. Reynoldsburg, Ohio.

SCHEDULE OF EVENTS

- Sept. 15
Monday

REGISTRATION AND OPENING REMARKS
Registration starts at 7:00 AM and Opening Remarks will begin promptly at 8:30 AM.

EMERGENCY VEHICLE TECHNICIAN CERTIFICATION TESTING
OHIO FIRE ACADEMY. TIME 4:00 PM
Applicants must have preregistered and paid the required fees to the EVT Certification Commission prior to testing. Registration deadline is August 29, 2025. Go to www.evtcc.org or call 847-426-4075 for more information, registration forms, or electronic registration. Testing is not required to attend the symposium.
- Sept. 15
thru 19

PRESENTATION OF CLASSES
Class Instruction runs Monday - Thursday, 9:00 AM to 4:00 PM. Friday, 9:00 AM to noon.
- Sept. 16

KIMBALL MIDWEST TOUR AND DINNER 4:00 PM
Dinner sponsored by Kimball Midwest, Columbus. Buses will provide transportation from OFA at 4:00 PM and Taylor Rd Extension host hotel area at 4:15 PM.
- Sept. 17
Wednesday

OAEVT ANNUAL MEETING & ATLANTIC EMERGENCY SOLUTIONS PRESENTATION
Dinner and Meeting hosted by Atlantic Emergency Solutions @ The Ohio Fire Academy. OAEVT Annual Meeting to begin at 4:00 PM with EVT of the Year Award Presentation followed by dinner at 5:30 PM
- Sept. 18
Thursday

EMERGENCY VEHICLE TECHNICIAN CERTIFICATION TESTING
OHIO FIRE ACADEMY. TIME 4:00 PM
Applicants must have preregistered and paid the required fees to the EVT Certification Commission prior to testing. Registration deadline is August 29, 2025. Go to www.evtcc.org or call 847-426-4075 for more information, registration forms, or electronic registration. Testing is not required to attend the symposium.

LODGING

- 1. The Holiday Inn & Suites** 2806 Taylor Rd Extension, Pickerington, OH 43147 Confirmation 2025, OAEVT, with a special rate of \$99 per night, which includes a full breakfast bar. 614-861-8888
- 2. The Fairfield Inn & Suites** 2826 Taylor Rd Extension, Pickerington, OH 43147 Confirmation 2025, OAEVT, with a special rate of \$189 per night, which includes a full breakfast bar. 614-864-4555
- 3. Hilton Home2 Suites** 2426 Taylor Square Dr, Pickerington, OH 43147 Confirmation 2025, OAEVT, with a special rate of \$150 per night, which includes a full breakfast bar. 614-328-9010
- 4. Comfort Inn** 1800 Hill Rd N, Pickerington, OH, \$99 per night, 614-575-9900
- 5. Hampton Inn** East 1890 Winderly Lane, Pickerington, OH, \$125 per night, 614-864-8383
- 6. Country Inn and Suites** 1899 Winderly Lane, Pickerington, OH \$99 per night 614-860-9804

Holiday Inn



Hilton Home2 Suites



Hampton Inn



ATTENDEE REGISTRATION FORM

2025 OHIO ASSOCIATION OF EMERGENCY VEHICLE TECHNICIANS EMERGENCY & MUNICIPAL APPARATUS MAINTENANCE SYMPOSIUM

NOTE: PLEASE PRINT or TYPE all information. This form must be filled out completely or it will be returned to you. **DEADLINE** for registration is August 29, 2025. All late registrations after 8-29-25 will be required to pay a fee of \$30 per day/class or \$150 total for the week. Full registration refund prior to 8-1-25. 50% refund on or before 8-8-25. No refund after 8-8-25.

Name _____

Preferred Address _____

City _____ State _____ Zip _____

Cell Phone () _____ Work Phone () _____

E-mail _____

Fire Dept./ Agency / Company _____

Tee-Shirt Size _____

I plan to attend the Tuesday Event and BBQ Dinner. Buses will provide transportation from OFA at 4:00 PM and Taylor Rd Extension host hotel area at 4:15 PM.

I plan to attend the Wednesday Pizza and Wing party at 4:30 PM.

This is my first time attending the Symposium.

REGISTRATION

Carefully fill out the registration form and send it along with full tuition or payment verification: (for example purchase order number from your employer). Electronic payment available online at oaevt.org/training-symposium.

Scan and email completed registration to pguhde@aol.com or by mail,

Ohio Association of Emergency Vehicle Technicians, Inc.
P.O. Box 303 • Avon, Ohio 44011

Use class selection number

	Monday	Tuesday	Wednesday	Thursday	Friday
Class Choice					

Form may be photocopied as needed.

TUITION INFORMATION

REGISTRATION CLOSES AUGUST 29, 2025

Late registration rate will be required. \$30 per day/class.

FULL PACKAGE

Includes the 5 day symposium and daily lunch.....\$625.00 _____

Daily Rate - Any Class.....\$250.00 _____

TOTAL ENCLOSED _____

Late Registration after 8-29-25 Full Week\$150.00 _____

Per Day/Class.....\$30.00 _____

TOTAL INCLUDING LATE REGISTRATION _____

*Send registration form along with full tuition or payment verification:
(for example, purchase order number from your employer)
Electronic payment available online at oaevt.org/training-symposium.*

Registration: Monday 7:00 AM to 8:30 AM Welcome & Opening Remarks: 8:30 AM
Class Times: Classes are Monday thru Thursday from 9 AM to 4 PM, with one hour for lunch and two 15 minute breaks. Friday 9 AM - 12 PM

Lunch will be in the Ohio Fire Academy cafeteria. Meal tickets will be issued to each student. Some classes are limited in size due to hands-on training. Register early, classes will be filled on a first come, first served basis.

Class registrations must be postmarked by August 29, 2025. Electronic or scanned registrations are encouraged; send to pguhde@aol.com.

Certificates of attendance will be awarded upon payment of all fees and verification of attendance.

Students are responsible for providing suitable personal protective equipment, i.e., eye protection, hearing protection, as may be needed for the hands-on portion of any class.

O.A.E.V.T. reserves the right to cancel or substitute classes due to conditions beyond our control. Reasonable efforts have been made to confirm the classes and instructors scheduled.

Please call Pat Guhde (440) 476-8707 or E-mail at pguhde@AOL.com

CLASS DESCRIPTIONS

Class 050 Stryker EMS Product Maintenance & Troubleshooting 3 Hrs

This class will go over the Stryker EMS product line on proper installation, use, cleaning and maintenance, and repairs. The products will include cot, power load, stair chairs and other EMS products. Class will focus on the power cot product and include installation, disassembly, assembly, regular maintenance, and repairs for the widely popular Power Load Product and the Expedition Power Chair.

Instructor: Stryker Medical

Class 051 Whelen Lighting Maintenance & Troubleshooting 3 Hrs

This class will go over the Whelen Lighting line to Include Fire, EMS, Police, & Municipal service. Instructor will go over the evolution of Whelen and their current Lighting Products.

Instructor: Whelen Engineering

Class 052 Willburt Light Towers and Electrical Training 3 Hrs

This class will cover the product specific Willburt Light Product, but will include 12 Volt Electrical and 120 Volt Electrical theory and troubleshooting to successfully maintain, troubleshoot, and repair the product in the field. The instructor will have a live training prop to get some hands on and complete explanation of how these systems are designed to work.

Instructor: Kevin Lenart, Willburt Company

Class 200 Pump Repair & Maintenance by Darley (Tuesday - Wednesday) 12 Hrs

This two (2) day class covers the care, operation and maintenance of the Darley mid-ship pump, using an actual training pump component, the gearbox, impeller assembly and all valves normally supplied with the pump will be removed, explained, examined and re-assembled. Components will be Darley specific, but will pump you up and class will be a terrific refresher or can be used as a prep class.

Instructor: Shawn Kelly, Darley Corporation

Class 300 EVT Prep F-2 Design and Performance Standards of Fire Apparatus (Monday - Tuesday) 12 Hrs

This 2 day class is designed for the student to really understand the requirements of the F-2 maerial which covers the standards for fire apparatus as described in NFPA 1900: Standard for Aircraft Rescue and Firefighting Vehicles, Automotive Fire Apparatus, Wildland Fire Apparatus, and Automotive Ambulances (NFPA 1901 Chapters).

Instructor: Rob Burly, EVTS – Emergency Vehicle Technical Support Inc.

Class 400 EVT Prep F-3 Fire Pumps and Accessories (Wednesday - Thursday) 12 Hrs

Class prepares the technician to understand the general design, performance and testing standards for pumper apparatus, per the NFPA 1900 & 1910. The technician will understand the hydraulic principles of water movement in pumping operations, learn the terms that relate to the basic hydraulic principles used in the fire service, understand the mechanical principles of pumps, pump controls and accessories during pumping operations, understanding the procedures necessary to overhaul a fire pump and the procedures of performing a pump service test. (Textbooks Recommended: NFPA 1900, NFPA 1910, Standards for Fire Apparatus Preventative Maintenance Program, IFSTA Pumping Apparatus Driver/Handbook, second edition. Note; Student must preregister with EVTCC for testing.

Instructor: Rob Burly, EVTS – Emergency Vehicle Technical Support Inc.

Class 500 Sutphen Aerial Maintenance Multiplex Systems (Tuesday - Wednesday) 12 Hrs

This class will cover the recommended maintenance practices specifically for the Sutphen Aerial product to include the multiplex portion of the outrigger interlock systems. Class will consist of classroom and an actual truck for hands-on. This is a two day class

Instructor: Janelle Kizer, Brian Teach, & Jamie Dodane, Sutphen Corporation

Class 100 EVT Objective Review for F-3 Fire Pumps and Accessories Monday 6 Hrs

Class 124 EVT Objective Review for F-3 Fire Pumps and Accessories Thursday 6 Hrs

Class prepares the technician to understand the general design, performance and testing standards for pumper apparatus, per the NFPA 1900 & 1910. The technician will understand the hydraulic principles of water movement in pumping operations, learn the terms that relate to the basic hydraulic principles used in the fire service, understand the mechanical principles of pumps, pump controls and accessories during pumping operations, understanding the procedures necessary to overhaul a fire pump and the procedures of performing a pump service test. (Textbooks Recommended: NFPA 1900, NFPA 1910, Standards for Fire Apparatus Preventative Maintenance Program, IFSTA Pumping Apparatus Driver/Handbook, second edition. Note; Student must preregister with EVTCC for testing.

Instructor: Shawn Kelly, Darley Corporation

Class 102 EVT Objective Review F-1 & E-0 Maintenance, Inspection, and Testing of Ambulances & Fire Trucks 6 Hrs

This class reviews the objectives the Maintenance, Inspection, and Testing of Ambulances and F-1 Fire Trucks as covered in NFPA 1917 & Federal Specification for the Star of Life Ambulance, Meritor Preventive Maintenance and Lubrication, and NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Fire Apparatus. Note; Student Must be Pre-Registered with the EVTCC to take test.

Instructor: Kenny Stevens, EVTS – Emergency Vehicle Technical Support Inc.

Class 103 Sutphen Custom Pumper Maintenance 6 Hrs

This class will cover the recommended maintenance practices specifically for the Sutphen product. Class will consist of classroom and an actual truck for hands-on.

Instructor: Janelle Kizer, Brian Teach, & Jamie Dodane, Sutphen Corporation

Class 104 Electrical Troubleshooting 6 Hrs

This class is designed to instruct technicians on the repair and maintenance of Basic Electrical Systems. The class will start at the basics with power and ground and work up from there. Class includes lecture, demonstration, and hands-on instruction.

Instructor: John Merrifield, Spartan Chassis

Class 105 Spartan Air Conditioning Maintenance and Repair Monday 6 Hrs

This class taught by Wade should say it all, but he will go over in the classroom basics and theory first and then move to the demo to do some hands on. Class will include maintenance, troubleshooting and repair of the air conditioning systems in fire apparatus.

Instructor: Wade Nichols, Spartan Chassis

Class 106 Identifying Engine Mechanical Failures Using Electronic Methods Monday 6 Hrs

Class 113 Identifying Engine Mechanical Failures Using Electronic Methods Tuesday 6 Hrs

In this session we will demonstrate how to determine if a gas or diesel engine has a mechanical concern or not without any disassembly including removing any spark plugs, injectors or glow plugs in many cases. In extremely short order, we can determine if and what cylinder (s) have sealing and breathing issues along with identifying potential causes. Chris will discuss Pico Technologies tooling, techniques, and diagnostic strategies during a few case studies. We will also demonstrate the tooling and techniques on vehicles.

Instructor: Chris Hamann, Lakeland Auto & Marine

- Class 107 Monday Fire Pump Familiarization** **6 Hrs**
Class 126 Thursday Fire Pump Familiarization **6 Hrs**
 This class is designed for the technician to familiarize and understand Fire Pump operations and all the components of Fire Pump operation as used by the Firefighter. The class will enable practical evolutions to enable the technician to fully understand the common practices used at fire scenes and theory to back it up which will help identify problems or find specific problems or repairs when faced with them. Perfect class for the Technician that wants to know why all those chrome gauges, handles and labels. This one day class repeated twice 105 on Monday and 126 on Thursday.
Instructor: Dave Woodward, Retired Violet Township Fire
- Class 108 Advanced Driver Assistance Devices & GM Hybrid** **6 Hrs**
 This seminar will provide technicians with the diagnostic techniques and strategies required to diagnose Advanced Driver Assistance systems ie. Blind spot, backup sensors & Hybrid and EV vehicles, and help understand to diagnose multiplex networks. Setup procedures for all related modules will be reviewed. This course will include simulated diagnostic exercises to apply the principles learned.
Instructor: Robert Roth, Raytheon
- Class 109 Cummins Engines ISB, ISC, ISL Maintenance and common failures** **6 Hrs**
Class 123 Cummins Engines ISB, ISC, ISL Maintenance and common failures **6 Hrs**
 This class will cover the Cummins product line from years back to current production to include the 5.9, 8.3, and the big block family. Live engine troubleshooting and the regeneration aftertreatment process will be discussed This technical trainer comes from Cummins Bridgeway Columbus branch and needless to say he has seen a bunch. Don't miss this. Class Repeated, Monday and Thursday.
Instructor: Ron Heitman & Seth Romine, & Stephen Creech Cummins Bridgeway
- Class 110 EVT Objective Review Class, E-2 & F-4 Amb. & Fire Truck Electrical Systems** **6 Hrs**
 This class reviews the objectives for the technician to understand The EVTCC E-2 exam which covers the basic design and performance requirements of ambulance electrical systems, components of electrical systems, and preventive maintenance and troubleshooting activities. And the EVTCC F-4 Fire Truck Electrical, Any Heavy Duty Truck Electrical Manual & Fire Dept. Pumping Apparatus Maintenance.
 Note: Student Must be Pre-Registered with the EVTCC to take test.
Instructor: Kenny Stevens, EVTS – Emergency Vehicle Technical Support Inc.
- Class 111 EVT Objective Review F-1 & E-0 Maintenance, Inspection, and Testing of Ambulances & Fire Trucks** **6 Hrs**
 This class reviews the objectives the Maintenance, Inspection, and Testing of Ambulances and F-1 Fire Trucks as covered in NFPA 1917 & Federal Specification for the Star of Life Ambulance, Meritor Preventive Maintenance and Lubrication, and NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Fire Apparatus. Note; Student Must be Pre-Registered with the EVTCC to take test.
Instructor: John Merrifield, Spartan
- Class 112 Disc & Drum Air Brake Maintenance and Repair Tuesday** **6 Hrs**
 This class will cover air brake theory and proper set-up to enable the technician to understand the air brake system and properly troubleshoot and repair them. Wade will focus on the Air Drum and Air Disc systems and will have hands on demonstration stands for students to work on.
Instructor: Wade Nichols, Spartan Chassis
- Class 114 All About Tires and Wheels by T.J. Tennent "The Tyre Guy"** **6 Hrs**
Class 121 All About Tires and Wheels by T.J. Tennent "The Tyre Guy" **6 Hrs**
 This class will go over the tire behavior handling and wear. Instructor will go over tire nomenclature, loads vs. tire pressures, tire life, OOS criteria, and the application of treads and emergency service effects. TJ is the tire guy. Don't miss this.
Instructor: T.J. Tennent, The Tyre Guy & Tennent, Winkelman and Associates
- Class 115 Active & Dynamic Fuel Management & GM Diesel Emissions** **6 Hrs**
 This class will cover Fuel Management & GM Diesel Emissions for the GM product. Common mistakes on diagnosing, repair and identification of problems with each system in the GM product. Class will consist of diagnostics, troubleshooting and repair of the systems.
Instructor: Robert Roth, Raytheon
- Class 116 International Engine and Service Maintenance and After Treatment** **6 Hrs**
 This class will cover the Diamond Logic and ISIS systems used by International Truck to diagnose and repair the engine and chassis systems. Joel will present material for the DT and V8 Engine product line as well as maintenance tips and tricks for the exhaust after treatment systems.
Instructor: Joel Crist & Tim White, International Truck – Rush International
- Class 117 EVT Objective Review E-4 Ambulance Cab, Chassis and Powertrain** **6 Hrs**
 This class will review the objectives that covers basic design, requirements and components of these systems.
 Note: Student Must be Pre-Registered with the EVTCC to take test.
Instructor: Kenny Stevens, EVTS – Emergency Vehicle Technical Support Inc.
- Class 118 Class 1 Vehicle Electronics** **6 Hrs**
Class 127 Class 1 Vehicle Electronics **6 Hrs**
 This class will cover the Class 1 product line to include Pressure Governors, PDM, the ES Key Systems, Climate Control Modules, Seat Belt Warning Systems and other Vehicle Electronic Systems offered by Class 1 Corporation.
Instructor: John Falco, Hale/Idex Fire & Safety
- Class 119 Electrical Theory and Alternators by C.E. Niehoff** **6 Hrs**
Class 128 Electrical Theory and Alternators by C.E. Niehoff **6 Hrs**
 This class one day class repeated twice will cover the class some 12 volt electrical theory, maintenance and troubleshooting to avoid miss diagnosing when problems come up and get right into the famed alternator for Emergency Vehicles from years past and today. Brand specific but the information stays the same. Demand, Volts, Amps, positive and negative = success for your fleet.
Instructor: Jason Jablonski, C.E. Niehoff & Co
- Class 120 Basic to Intermediate Hydraulic Principles and Theory by Muncie** **6 Hrs**
Class 129 Basic to Intermediate Hydraulic Principles and Theory by Muncie **6 Hrs**
 This class taught by a senior trainer and manager in the field of hydraulic power. This class will cover Power Take Off and Hydraulic Pump principles, product and application knowledge, and general troubleshooting for both product lines.
Instructor: Gary Stephens, Muncie Power Products Inc.
- Class 122 GM Refrigeration & HVAC Systems** **6 Hrs**
 This class will provide technicians with the diagnostic techniques and strategies required to diagnose HVAC controls, blend door, and refrigeration principles for GM vehicles, and help understand to diagnose multiplex networks. Setup procedures for all related modules will be reviewed. This course will include simulated diagnostic exercises to apply the principles learned.
Instructor: Robert Roth, Raytheon

Class 125 EVT Objective Review E-3 Ambulance HVAC**6 Hrs**

This class will review the objectives that covers basic design, requirements and components of these systems. Note: Student Must be Pre-Registered with the EVTCC to take test.

Instructor: Kenny Stevens, EVTS – Emergency Vehicle Technical Support Inc.

Class 130 Advanced Tires - All About Tires by T.J. Tennent "The Tyre Guy"**6 Hrs**

The class designed for individuals that have had the basic tire class this year or in the past symposiums and want to learn more in depth information from TJ and his team. Class will include tire training and forensics, will also provide expert testimony, Tire Failure Analysis (TFA), tire footprint analysis, Shearography, Xray analysis, Tire testing consultation for all platforms, EV challenges for the tires being manufactured today and legal pitfalls to stay away from which will keep your fleet in tip top shape.

Instructor: T.J. Tennent, The Tyre Guy & Tennent, Winkelman and Associates

Class 131 Understanding EV Maintenance and Troubleshooting**6 Hrs**

The class will cover hands on electrical diagnostics and with the GM trainer and the live trainer board for the common electrical systems found in the GM EV product, although no electrical systems is the same manufacture to manufacture. it does all operate on the power of electricity. Don't miss this practical class taught by the best GM trainer, with tips for everyday troubleshooting and maintenance.

Instructor: Robert Roth, Raytheon

Class 132 Weldon Multiplex Design and Troubleshooting**6 Hrs**

This class will cover multiplex systems to include theory, maintenance and troubleshooting. Class will be Weldon specific with actual components to include classroom and some hands on.

Instructor: Jeff Dilgren, Weldon Technologies

OAEVT MAINTENANCE SYMPOSIUM SCHEDULE • SEPTEMBER 15 THROUGH 19

MONDAY 9-15	TUESDAY 9-16	WEDNESDAY 9-17	THURSDAY 9-18	FRIDAY 9-19
EVT Objective Review F-3 Fire Pump 100	Darley Fire Pump Maint & Repairs 200 - Day 1 of 2	Darley Fire Pump Maint & Repairs 200 - Day 2 of 2	EVT Objective Review F-3 Fire Pump 124	Stryker EMS Power Cot and Power Load 050
EVT Objective Review F-1 & E-0 102	EVT Objective Review E-2 & F-4 110	EVT Objective Review E-4 117	EVT Objective Review E-3 125	Whelen Lighting and Troubleshooting 051
EVT Prep Design & Performance F-2 300 - Day 1 of 2	EVT Prep Design & Performance F-2 300 - Day 2 of 2	EVT Prep Fire Pumps & Accessories F-3 400 - Day 1 of 2	EVT Prep Fire Pumps & Accessories F-3 400 - Day 2 of 2	Wilburt Light Towers and Elec. Training 052
Sutphen Custom Pumper Chassis Maintenance 103	Sutphen Aerial Maint., Repairs & Troubleshooting 500 Day 1 of 2	Sutphen Aerial Maint., Repairs & Troubleshooting 500 Day 2 of 2	Fire Pump Familiarization 126	
Electrical By Spartan 104	EVT Objective Review F-1 & E-0 111	Class 1 / Hale Vehicle Electronics 118	Class 1 / Hale Vehicle Electronics 127	
Air Conditioning Maint. & Repair by Spartan 105	Disc & Drum Brakes - Maint, & Troubleshooting 112	Electrical Theory and Alternators by C.E. Niehoff 119	Electrical Theory and Alternators by C.E. Niehoff 128	
Mechanical Engine Diagnostics with PicoScope 106	Mechanical Engine Diagnostics with PicoScope 113	Hydraulics Basic to Intermediate by Muncie 120	Hydraulics Basic to Intermediate by Muncie 129	
Fire Pump Familiarization 107	All About Tires By T.J. 114	All About Tires by T.J. - Repeated 121	Advanced Tires By T.J. 130	
Advanced Driver Assistance & Hybrid Vehicles by GM 108	Active & Dynamic Fuel Management & Diesel Emmisions 115	Refridgeration Diagnostics & HVAC Controls by GM 122	Understanding EV Maintenance and Troubleshooting 131	
Cummins Engine Maintenance 109	International Diamond Logic 116	Cummins Engine Maintenance 123	Weldon Multiplex Design and Troubleshooting 132	
EVT Testing OFA 4PM MPR-A, B, & C	Kimball Midwest Facility tour & BBQ 2100 Roberts Rd, Columbus 4PM	Annual Meeting Pizza and Wing Party Sponsored by Atlantic Emergency Solutions 4PM @ OFA	EVT Testing OFA 4PM MPR-A, B, & C	

Ohio Association of Emergency Vehicle Technicians
P.O. Box 303
Avon, Ohio 44011

FIRST CLASS MAIL
DATED MATERIAL

