

CLS1: PUMP MAINTENANCE & REPAIR

Instructors: Mike Smith

4 Day Course

Class Overview: This course is designed to acquaint students with all levels of experience with the principles, theories, installations, applications, and standard inspection practices associated with fire pump maintenance, repairs and annual pump testing requirement for pumping fire apparatus. This course provides a working knowledge of common pump types, pressure controllers/governors, installation of various fire pump components and related accessories. Practical hands-on experience will improve the ability to correctly draft and flow water to analyze pump performance and implement accurate fire pump testing, tank-to-pump flow testing and testing Intake Relief Valves. This class covers a wide range of current NFPA 1901 and 1911 Testing Standards as well as fulfills the primary education requirement for EVT Fire Apparatus Technician Level I Certification requirements for the EVT. This class will consist of classroom and hands-on training.



CLS2: PIERCE ELECTRICAL / AERIAL F5 PREP

Instructor: Ken Kempfer

4 Day Course

Training Description

Chassis Electrical- This electrical course deals with the (non-multiplex) electrical systems found on our Pierce® Chassis. The class is structured to cover location and function of major electrical components used on these vehicles. The class will include lecture, demonstration and hands-on instruction covering the following topics:

- Battery & charging systems
- Pierce® electrical system wiring diagrams, schematics & layouts
- Crimping
- Power distribution location and harness routing
- PMC II & PMC III (Pierce® Micro Controller) troubleshooting
- World transmission
- Anti-lock Braking System (ABS)

F5 Aerial Maintenance Prep Class- This workshop will prepare the technician to take the EVTCC F5 exam. Course objectives are to define the terms and phrases commonly used with aerial fire apparatus, operations and/or testing;

- identify the design requirements for aerial fire apparatus stated in NFPA 1901; understand the testing, inspection and documentation requirements of all aerial fire apparatus (NFPA 1914)
- understand and identify hydraulic systems of an aerial apparatus; understand and identify electrical systems of an aerial apparatus
- describe activities considered to be accepted practice in service and repair of aerial apparatus, and understand the principles of operating aerial apparatus.

Technicians are urged to obtain and study the reference material prior to attending the workshop.

For reference material ordering information, visit

www.evtcc.org/exams.htm.

CLS3: APPARATUS ELECTRICAL

Instructor: Kevin Roberts

4 Day Course

Class Overview: This Electrical Class is designed to prepare the students to take the EVTCC E-2 Electrical Test and much more. It delves into Electron Theory, AC and DC circuits, Critical Thinking Skills, diagnostic principles, proper use of diagnostic equipment, networks/multiplexing and gives the students opportunity to apply what they learn with hands-on experience. We offer instruction regarding the use of the Test Light, Digital Meter, Scan Tool, Lab Scope, Thermal Camera, Power Probe, Back Probes, and Jumper Wires. We bring test boards that can be configured to allow the students to find voltage drops. We test relays, loads, inverters, and other electrical components. This class will consist of classroom and hands-on training.



CLS4: TIRE MANAGEMENT FOR THE FLEET MANAGER

Instructor: T.J. Tennent

4 Day Course

Course Overview:

This course is designed for Government Fleet Managers, Fleet Managers, and Law Enforcement Personnel.

At the end of this course the fleet manager should be equipped to:

- Determine the proper tire and tire application for his/her fleet
- Determine if the fleet is getting the proper mileage out of the tires
- Determine why the fleet tires are coming out of service (if removed before wear out)
- Significantly reduce fleet liability
- Understand the difference between Passenger, Euro-Metric, Euro-Commercial, Medium Commercial and Commercial Tires and how they should be applied.
- Understand vehicle loads vs tire pressure
- Know which brand of tire they should use and why
- Know what tires are good for their Emergency Vehicles
- Determine tire maintenance procedures for their fleet
- Will be able to show fleet savings in dollars

CLS5: BASIC WELDING MIG/TIG

Instructors: Mike Hanscome/Kyle Cadarette

4 Day Course

Class Overview: This is a basic welding class. This class will include 2 days of MIG welding and 2 days of TIG welding. This class will be taught by 2 AIMS College instructors in the Automotive Technology Building. All supplies and PPE will be provided. This class will consist of classroom and hands-on training.

CLS6: CHASSIS & ALIGNMENT

Instructor: MD Alignment

1 Day Course

Course Overview:

M.D. Alignment, Inc. is a manufacturing company providing alignment equipment, training, and consulting to customers worldwide. We specialize in "why tires wear funny", "why trucks handle bad", and how to fix it! Mike Beckett is the President and Founder of M.D. Alignment Services, Inc. He has 50 years of experience in the truck industry, with expertise in heavy-duty vehicle alignment.



CLS6: MERITOR WHEEL ENDS

Instructor: TBA

1 Day Course

Course Overview:

This class is a comprehensive overview of conventional and unitized wheel end components. This class is designed to teach fundamental diagnosis and repair of hubs, bearings, seals, spindles and disc/drum brakes on steer and drive axles.

CLS6: AIR BRAKE SYSTEMS

Instructor: David Plumisto

2 Day Course

Course Overview:

This course is designed to teach overall air brake system theory and operation, including major system components and valving. Students will learn common diagnosis and repair procedures of the air brake system and wheel end braking systems including ADB and drum brakes.

CLS7: CUMMINS ISL9/X12

Instructor: Cummins Pacific Region

4 Day Course

Course Overview: Instruction provided by Cummins engine trainers. This course will include hands-on and didactic training covering introduction, operation and maintenance, diagnosis and troubleshooting of the Cummins ISL9 and X12 engines.