

Level 5 EVT Class

F-6 Allison Automatic Transmissions

This course is an EVT F-6 Allison Transmission that covers the servicing and maintenance, diagnostics and troubleshooting of Allison Automatic Transmissions AT, MT & HT series.



For emergency responders, failure is not an option. Allison Transmission has spent decades designing and building fully automatic transmissions that perform at their best in critical situations. Including an Allison fully automatic transmission in the driveline will enable the chassis, body and pump to efficiently work together, improving uptime and performance that this course covers in the classroom and with fire apparatus for hands-on to include operation, maintenance, and diagnostics containing power take-off, auxiliary functions, prognostics, converters, integral retarder and more.

A sound vehicle and maintenance and testing program is important to government agencies of all sizes. That's why understanding proper Allison Transmission maintenance, diagnosing, and testing are so important.

F-6 Allison Automatic Transmissions

This course covers the servicing and maintenance, diagnostics and troubleshooting of Allison Automatic Transmissions AT, MT & HT series

PPE Required for Every Student Attending Every Class



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Management Level 1 EVT Class

M-1 Management Level 1 Supervisor

M-2 Management Level 2 Supervisor

The Fleet Management courses are based on the principals published by the Association of Equipment Management Professionals (AEMP) in The Career Equipment Fleet Manager.



Reference publication ordering information to prepare for the Management Exam is listed at the top of the page of the exam's learning objectives found at Emergency Vehicle Certification Commission Inc., www.evtcc.org.

The EVT Management Certification program recognizes shop foreman and supervisors with an EVT Level I exam and a Level II exam. Reference Materials List and Learning Objectives are based on industry standards recognized by Association of Equipment Management Professionals (AEMP), American Public Works Association (APWA), and National Association of Fleet Managers (NAFA). All areas outlined are designed to prepare an individual for both the M1 and M2 Management exams.

Management Levels must have completed EVT Levels 1 & 2

The M-1 & M-2 class consists of:

- Fleet Facility Resources (buildings and tools)
- Fleet Replacement Program/Schedule
- Fleet Software and record keeping
- Fleet Services Goals vs. Performance (How often vehicles are seen)
- Fleet Staff Training, Certification and Competency
- Future Growth Capacities
- Options for apparatus transportation to outside vendors and from fire stations to fleet
- Number of inspection cycles per year
- What major repairs should be completed by outside vendors
- Potential for mobile services
- Inventory Control (stock on hand, tracking, efficiencies, deficiencies)
- Fleet Staff Duties efficiencies and/or deficiencies

PPE Required for Every Student Attending Every Class



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Beginning
FALL
2022

Level 1 EVT Class

F-1 Maintenance, Inspection, and Testing of Fire Apparatus

F-2 Design & Performance Standards of Fire Apparatus

Level 2 EVT Class

F-3 Fire Pumps & Accessories

Level 3 EVT Class

F-4 Fire Apparatus Electrical Systems

Level 4 EVT Class

F-5 Aerial Fire Apparatus

Level 5 EVT Class

F-6 Allison Automatic Transmissions



Management Level 1 EVT Class

M-1 Management
Level 1 Supervisor

M-2 Management
Level 2 Supervisor

Level 1 EVT Class

F-1 Maintenance, Inspection, and Testing of Fire Apparatus

F-2 Design & Performance Standards of Fire Apparatus

Fleet Design and Performance Challenges - A sound apparatus/vehicle specification and maintenance program are important to all government agencies of all sizes. Be it a volunteer, combination or career department, reliable vehicles and equipment in appropriate working order is essential to providing all public services to the communities served in a professional and timely manner. Fire, EMS, Wildland, ARFF and HazMat apparatus and equipment that are improperly designed and/or break down frequently due to the outlay and use will lead to an interruption in service to the agency and the community. Having a well thought out and credible plan will not only benefit the departments operations and fleet division and the community it serves, but also the direction of those future needs and funds.

Below is a brief overview of the courses outlined in the current NFPA 1911, 2017 Edition along with the essential Emergency Vehicle Technician Levels required for Certification.

This course is also applicable to driver/operators, engineers, training officers and apparatus committee members.

F-1 Maintenance, Inspection & Testing

This course covers the maintenance, inspection and testing of Fire Apparatus as described in NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Fire Apparatus.

F-2 Design & Performance Standards of Fire Apparatus

This course covers the standards for fire apparatus as described in NFPA 1901, Standard for Automotive Fire Apparatus, and in NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Automotive Fire Apparatus.

PPE Required for Every Student Attending Every Class

4
DAY
CLASS

Level 2 EVT Class

F-3 Fire Pumps & Accessories

This course is an EVT F-3 Fire Pumps and Accessories that will cover fire pumps of all makes and models along with the related accessories and components. The theory and operation of the fire pump class includes the classroom portion along with a dynamic hands-on experience to understand the most current standards as described in NFPA 1901, Standard for Automotive Fire Apparatus and NFPA 1911, Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus. This is a great opportunity for the students to learn about different brands and types of fire pumps, how to properly perform multiple tests along with hands-on training. A sound vehicle and maintenance and testing program is important to government agencies of all sizes. That's why understanding proper fire pump maintenance and pump testing are so important.

The course provides discussion of the EVT test taking process so that even taking the test may be understood to be an educational experience. The goal is not only to prepare the student to pass the test but to help the student to develop a mindset that allows them to perform better as a technician in their role of servicing and repairing emergency vehicles

This course is also applicable to driver/operators, engineers, training officers and apparatus committee members.

F-3 Fire Pumps and Accessories

This course covers the standards as described in NFPA 1901, Standard for Automotive Fire Apparatus. In NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Automotive Fire Apparatus.

PPE Required for Every Student Attending Every Class

4
DAY
CLASS



Level 3 EVT Class

F-4 Fire Apparatus Electrical Systems

The focus of the class is to help the student gain a clear understanding of the basic principles of electricity and how these principles relate to the function of both fire apparatus and ambulance electrical systems along with the components. Components described and explained include batteries, starters, alternators, and inverters. Also included is the function and role of switches, diodes, relays, capacitors, sensors, motors, and control modules. The class will both describe and provide various examples of meters and test probes (including test lights) so that the student may use these tools in a hands-on training portion both in the classroom and on a provided ambulance and fire apparatus. Topics discussed include definition of terms, electron theory, AC, DC, Ohms Laws and more. A sound vehicle and maintenance and testing program is important to government agencies of all sizes. That's why the understanding of electrical systems diagnosing and testing are so important.

The course provides discussion of the EVT test taking process so that even taking the test may be understood to be an educational experience. The goal is not only to prepare the student to pass the test but to help the student to develop a mindset that allows them to perform better as a technician in their role of servicing and repairing emergency vehicles

F-4 Fire Apparatus Electrical Systems

This course covers the basic design and performance requirements of fire apparatus electrical systems, components of electrical systems, and preventive maintenance and troubleshooting activities.

PPE Required for Every Student Attending Every Class

4
DAY
CLASS



Level 4 EVT Class

F-5 Aerial Fire Apparatus

The Aerial Maintenance Class is an EVT F5 Aerial Fire Apparatus Course. The class will include currently accepted NFPA 1911 Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Emergency Vehicles and also includes the manufacturer recommended maintenance practices along with the different types of design and construction. The aerial device requires preventative maintenance on a regular basis that includes the visual, operational and load tests as outlined in the NFPA 1911 which also includes the hands-on portion for the student by delving into an aerial device.

A sound vehicle maintenance and testing program is important to government agencies of all sizes. That's why understanding the proper aerial maintenance and testing are so important.

The course provides discussion of the EVT test taking process so that even taking the test may be understood to be an educational experience. The goal is not only to prepare the student to pass the test but to help the student to develop a mindset that allows them to perform better as a technician in their role of servicing and repairing emergency vehicles.

This course is also applicable to driver/operators, engineers, training officers and apparatus committee members.

F-5 Aerial Fire Apparatus

This course covers the standards as described in NFPA 1901, Standard for Automotive Fire Apparatus and NFPA +1911, Standard for the Inspection, maintenance, Testing and Retirement of In-Service Automotive Fire Apparatus.

PPE Required for Every Student Attending Every Class

4
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CLASS



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