



SENIOR FIRE APPARATUS TECHNICIAN

Definition:

Under general supervision, the Senior Fire Apparatus Technician is responsible for supervising mechanics performing both minor and major repairs on various gasoline and diesel-powered equipment as well as fire pumps, small engines and related components. This position acts as a working supervisor and provides training to assigned personnel. Positions in this classification are characterized by their ability to perform a variety of maintenance and repair duties requiring a higher degree of skill and the ability to work independently with minimal supervision. Incumbents in this classification are first line working supervisors and are responsible for the training of subordinate staff.

The Senior Fire Apparatus Technician is the second level (journey level) in a three-level fire equipment maintenance series. This class is distinguished from the next higher classification of the Fleet Services Manager in that the latter is a supervisory position who has overall responsibility for the management and direction of the apparatus shop as well as the fire apparatus and vehicle fleet. The Senior Fire Apparatus Technician reports to the Fleet Manager.

Minimum Requirements:

- Must be at least 18 years of age.
- Provide proof of eligibility to work in the United States.
- Possess and maintain a valid California C Driver's License. Possession of a valid California Commercial Class B Driver License, with all applicable endorsements (i.e. air brake and tanker endorsements), is required within six (6) months of appointment.
- Possession of a California State Fire Mechanic certification, level II or equivalent within four (4) years of employment.
- Obtain and maintain ASE Master Automotive Technician certification within two (2) years of employment.
- Upon hire, must have personal hand tools suitable for the performance

of duties.

- Maintain physical ability and stamina to meet position tasks and responsibilities. Physical abilities must commensurate with the essential functions of the position. Reasonable accommodation can be made to enable people with disabilities to perform the described essential functions of the position.

NOTE: The education or experience requirements may be modified or waived at the sole discretion of the Fire Chief. At least one of the education or experience requirements must be met; both requirements cannot be modified or waived. An equivalent combination of education and experience sufficient to successfully perform the essential duties of the job is required.

Education and Experience:

- High School Diploma, or General Equivalency Diploma (GED), and five (5) years of journey level, medium/heavy equipment mechanic experience; or, an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. Experience must be within the last 6 years.

Or

- Completion of an Auto, Diesel, or Industrial Program from an accredited Automotive Trade School and the equivalent of two years of experience as a journey-level mechanic, including the maintenance of gasoline or diesel engines and heavy trucks or fire apparatus.

NOTE: The following are the duties that may be performed by employees in this classification. However, employees may perform other related duties at an equivalent level.

Desirable Qualifications:

- Possess and maintain CA Air Conditioning Certificate.
- Possess and maintain CA Smog Technician Certificate.

Typical Duties:

- Supervises and assists fire apparatus technicians in locating and diagnosing mechanical difficulties on all types of automobiles, trucks and fire pumps.
- Inspects all completed shop work, road test equipment, ensures that all equipment and materials are used properly and safely.

- Trains and provides guidance to assigned personnel in areas of work including equipment and vehicle maintenance, mechanical repair methods, procedures and techniques including supervision in the use and care of hand and power tools and equipment used to perform tasks.
- Assists in assigning work to fire apparatus technicians; inspects work in progress; ensures work is progressing as expected.
- Assists with tracking work orders; makes work orders, ensures parts are listed as used, checks for accurate information, closes out work orders.
- Recommends stock in parts room; makes decisions to increase or decrease stock.
- Inspects, diagnoses and locates mechanical difficulties on command vehicles, fire apparatus, and overhauls, repairs, and estimates time and materials needed.
- Maintains fire pumps; diagnoses and locates mechanical difficulties; determines extent of necessary repairs and estimates time and materials needed; overhauls, repairs and adjusts engines, clutches, transmissions, differentials and related components; certifies fire pump performance test at completion of repairs.
- Performs a variety of servicing, maintenance and repair work involving all mechanical components, parts and accessories, including any overhaul and rebuilding of components, tire mounting and repair, rewiring and installation of specialized equipment.
- Responds to emergency road service calls by assessing, repairing, and/or towing the fire apparatus and/or vehicles as needed.
- Maintains small gas and electrically driven equipment.
- Repairs or replaces faulty parts and components; fabricates, modifies, welds parts for equipment as necessary; repairs and installs electrical and mechanical components.
- Performs and establishes preventative maintenance functions and programs for agency vehicles.
- Maintains work, time and material records; assists in maintaining parts and inventory and procurement.
- Provides input on vehicle specifications and on the redesigning of existing equipment to the Apparatus Specification Committee.
- Troubleshoots electronic systems on both automotive and diesel vehicles.

- Performs annual inspections on fire apparatus, which will include driving the apparatus and checking the transmission, engine, and general drivability issues to ensure everything is in proper working condition and up to all safety standards.
- Instructs agency personnel in basic equipment maintenance tasks and in the proper use and operation of equipment from a maintenance standpoint.
- Attends training sessions and conferences to keep current with standard mechanic practices.
- Maintains and repairs shop equipment and cleans shop areas.
- Performs other work as needed or directed.

Knowledge of:

- Internal combustion engines;
- Transmission operations;
- Ignition systems;
- Cooling systems;
- Steering geometry;
- Heating and air conditioning systems;
- Exhaust systems;
- Tools and equipment of the trade;
- Brake systems;
- Fuel systems;
- On-board diagnostic methods;
- Heavy gas and diesel engine repair methods;
- Electrical systems and equipment;
- Welding and fabricating methods;
- Hydraulic systems;
- Basic computer programs (such as Microsoft Word, Excel and Internet use);
- Fundamentals of technological equipment necessary to be used in the performance of duties;
- Safety practices and procedures observed in the performance of work.

Ability to:

- Repair brake systems;
- Repair heavy gas and diesel engines;
- Conduct accurate diagnosing, troubleshooting, and performing repairs and preventive maintenance on vehicles;
- Conduct repair and replace a variety of vehicle systems, equipment, and/or components;
- Perform on-board diagnostics;
- Diagnose and service transmissions;
- Diagnose wear and damage to tires;
- Mount and dismount tires;
- Welding and fabricating equipment;
- Operate applicable tools and equipment of the trade;
- Work independently and understand and carryout verbal and written instructions;
- Operate a computer and other electronic equipment;
- Effectively communicate, maintain interpersonal skills as applied to interaction with coworkers, supervisor, the general public, etc. sufficient to exchange or convey information and to receive work direction.