



Job Description – Fire Mechanic I

Position Summary:

Under the guidance of the Fleet Manager, the Fire Mechanic I is responsible for performing both skilled and semi-skilled service, repair, and preventative maintenance on automotive and related equipment. Assists senior-level fire mechanics with maintenance and repair work on heavy equipment when needed. This position requires a high degree of technical knowledge and the ability to exercise independent judgment when determining repair methods.

This position is designated as classified and is non-exempt. The Fire Mechanic works a Monday through Thursday 40-hour workweek.

Essential Functions:

Performs duties and responsibilities commensurate with the assigned functional area, which may include, but are not limited to, any combination of the following:

- Repair and rebuild gasoline engines, small diesel engines, drive train, and chassis components.
- Install and repair air conditioning units and other electrical components. Perform preventative maintenance tasks on all types of fire district vehicles.
- Assist senior-level fire mechanics when necessary. Operate vehicles and equipment to perform needed diagnostics and repairs.
- Use common air and hand tools for the maintenance and repair of automotive and light truck equipment. Utilize engine analyzer to diagnose and troubleshoot problems on fire district vehicles.
- Prepare and maintain accurate records of maintenance work. Prepare written repair order comment sheets to ensure correct parts ordering and documentation of repair work.
- Distinguish colors to check equipment color codes and electrical wiring on vehicles.
- Detect backup warning devices when working around moving equipment, sirens, and calls for help while working on or around emergency vehicles.
- Operate a forklift to move heavy parts, steel, pipe, and other materials.
- Operate equipment, such as a hoist jack, overhead crane, and tools to fabricate service and repair vehicles.
- Clean work area and equipment using cleaning fluids and agents.
- Work at heights of up to 100 feet while assisting other fire mechanics with fire apparatus aerial maintenance and repairs.

- Diagnose operational problems on a variety of automotive and light-duty trucks.
- Troubleshoot hydraulic and electrical problems.
- Perform mathematic computations for small engine rebuilding and repair.
- Learn job-related material through on-the-job training, reading and understanding servicing instructions, and attending work-related seminars/training.
- Communicate with coworkers, supervisors, and fire district personnel to establish and maintain effective working relationships.

Knowledge, Skills, and Abilities:

Knowledge of:

- Methods, materials, tools, and standard practices for automotive and light truck repair.
- Principles of internal combustion and small diesel engine operation.
- Hazards and safety precautions during vehicle repair and maintenance.
- Methods of basic fabrication.
- Electronic control systems (i.e., engine, transmissions, Anti-lock Brake System (ABS), etc.).
- Principles of small fire pump troubleshooting and repair (750 GPM-1500 GPM).

Skills in:

- Use and care of tools and equipment associated with the servicing of vehicles and motorized equipment.
- Engine analyzer diagnostics.
- Installation and repair of automotive and light truck air conditioning systems.
- Service and repair of air brakes and air systems.
- Welding (MIG, TIG, gas, and arc).
- Basic fabrication tasks.

Ability to:

- Diagnose and repair operational problems on automotive equipment.
- Perform preventative maintenance tasks on a variety of vehicles and motorized equipment.
- Understand and effectively carry out verbal and written instructions.
- Comprehend and make inferences from written material such as service manuals, schematics, lube charts, and computer-generated repair orders.
- Diagnose and repair electronic control systems and small fire equipment.

- Meet scheduling and attendance requirements
- Establish and maintain effective working relationships with coworkers, supervisors, and other fire district personnel.

Work Environment/Physical Demands

The physical demands and work environment characteristics described here are representative of those that must be met by an employee to perform the essential functions of this position successfully or that an employee encounters while performing the essential functions of this position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Perform duties requiring frequent sitting, standing, use of handheld tools, operation of controls, and reaching with hands and arms.
- Perform duties occasionally requiring climbing, balancing, stooping, kneeling, crouching, and crawling.
- Specific vision abilities required by this job include close, distance, color, and peripheral vision; depth perception; and the ability to adjust focus.
- Operate a variety of standard office equipment, including a computer, telephone, calculator, copy and fax machines requiring continuous and repetitive arm, hand, and eye movement.
- Occasionally perform repair work in small, cramped areas.
- Perform repair work in a variety of weather conditions.

Required Training and Experience:

- High school diploma, GED, or equivalent
- Combination of training, education, and experience equivalent to two (2) years of journey-level mechanic experience, OR two (2) years as an Equipment Service Worker with demonstrated equipment mechanic abilities and/or apprenticeship as a mechanic.
- Qualified candidates who do not have an Emergency Vehicle Technician (EVT) certification will be given two (2) years from the hire date to obtain the certificate.

Preferred Qualifications

- Emergency Vehicle Technician (EVT) Fire Apparatus Certification
- General Automotive Technician Certificate from an accredited college or trade school

Additional Requirements and Qualifications:

- A valid Arizona Drivers License
- Must provide own hand tools

EQUAL EMPLOYMENT OPPORTUNITY:

It is the policy of the District to provide employment opportunities to all persons based solely on ability, regardless of actual or perceived race, ethnicity, national origin, religion, sex, sexual orientation, gender identity or expression, age, disability, pregnancy, genetic information, veteran status, marital status, and other classification or status protected by law. (ARS § 41-1463)

This job specification should not be construed to imply that these requirements are exclusive standards for the assignment. Incumbents will follow any other instructions and perform any other related duties as may be required by supervisory personnel. Performance of other essential functions may depend upon work location, assignment, and/or shift. Additionally, this position description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the position change.