



Superstition Fire & Medical District

Job Description

Job Title:	Fire Mechanic II	Department:	Fleet Services
Salary Range:	[31] \$45,010.13 - \$60,317.88	FLSA Class:	Non-Exempt

Position Summary:

The primary function of an employee in this class is to perform specialized journey level mechanical maintenance and repair on all types of complex firefighting apparatus and related equipment, to include heavy duty Fire response trucks, general purpose automotive vehicles and specialized components such as centrifugal fire pumps, hydraulically operated aerial ladders, elevating platforms and computerized electronic control systems. Additionally, an employee in this class may be assigned to repair and maintain fire service tools and equipment. This class is subject to emergency call-out and must be able to work overtime including nights and weekends and stand-by as required.

Principle Duties and Responsibilities:

Essential Functions

- Inspects, diagnoses and repairs Fire response trucks and general purpose vehicles, including ladder trucks, engine trucks, hazardous material trucks, and technical rescue vehicles and related firefighting apparatus.
- Examines vehicles and equipment to determine necessary repair or maintenance work; conducts diagnostic computer testing; reviews apparatus maintenance logs; consults with drivers or equipment operator to obtain input on problems; diagnoses problems; determines parts/supplies necessary to conduct repairs.
- Performs major and minor repairs on all fire apparatus and equipment, such as engines, hydraulic and electrical systems, cooling and air conditioning systems, brakes, firefighting systems, pumps, nozzles, gauges, valves, generators, and foam systems to ensure they will perform under emergency conditions.
- Performs preventive maintenance on vehicles and equipment; checks fluid levels, drains/replaces oil; cleans/replaces batteries and filters; remove/replaces belts, hoses,

bulbs; lubricates and greases equipment; checks tire air pressure; completes minor tire repair or replaces tires.

- Installs, troubleshoots and maintains radio and electronic equipment, audio and video communication systems and satellite tracking systems.
- Modifies, welds, and fabricates parts such as equipment and tool mounts, brackets and shelving.
- Trains SFMD personnel in the proper methods of operating fire apparatus, and equipment, new technology and routine maintenance on fire equipment.
- Prepares fire trucks for the annual National Fire Protection Association (NFPA) certification inspection of pumps and aerial ladder truck; checks/repairs ladders for inspection.
- Responsible for acceptance inspection and make ready preparation work on all new apparatus and equipment.
- Participates in fire training exercises, and equipment and apparatus readiness checks.
- Washes, cleans and polishes equipment and apparatus.
- Operates and test drives fire apparatus and related components as well as automotive vehicles to ensure all repairs and maintenance have been completed; transports vehicles as needed.
- Researches parts manuals and vendor catalogs to determine parts needed; estimates the cost and time of repairs and determines the most cost-effective and efficient methods to complete the repairs; orders and purchases required supplies and materials.
- Uses and disposes of hazardous materials according to established guidelines.
- Makes emergency service calls for disabled vehicles and equipment at work sites or on the road as needed.
- Prepares reports, including work orders, warranty reports, maintenance logs and compliance reports.
- Operates a variety of machinery, equipment, and tools associated with repairing and maintaining vehicles and equipment which may include hoist, vehicle lift, jack, battery charger, air compressor, testing and diagnostic instruments, pumps, and various other mechanical tools.
- Performs general cleaning/maintenance tasks necessary to keep vehicles, equipment, and tools in operable condition, washing/cleaning equipment, or cleaning shop/work areas; monitors equipment operations to maintain efficiency and safety.
- Performs all work duties and activities in accordance with SFMD policies and procedures.
- Works in a safe manner and reports unsafe activity and conditions. Follows District-wide safety policy and practices and adheres to responsibilities concerning safety prevention, reporting and monitoring as outlined in the SFMD's policy

Knowledge, Skills and Abilities

- Knowledge of SFMD operations, organizations, procedures and policies.
- Methods, materials, tools and standard practices of the automotive mechanic's trade, with particular reference to heavy duty maintenance and equipment.

- The operating, maintenance and repair requirements of firefighting equipment and apparatus.
- Water hydraulics, including water pumps, valves, governors and relieve valve systems; Fire apparatus and automotive repair and maintenance safety principles and practices including the use of air powered equipment, lifts and hoists.
- Fire apparatus electrical systems, cooling and air conditioning systems, and gas/diesel engines.
- Equipment and tool operation and maintenance practices.
- Occupational hazards and safety precautions involved in general vehicle and heavy equipment maintenance work.
- Proper use and disposal of hazardous materials in accordance with established guidelines; Traffic laws involved in vehicle & equipment operation.
- Federal OSHA and State and County regulations and SFMD policies regarding safe work practices relating to use of power tools, lifts and hoists, and hazardous materials.
- Follow written and oral instructions.
- Read and interpret diagrams, technical specifications and operation manuals.
- Perform mechanical work involved in operating, maintaining and repairing automotive and firefighting apparatus, equipment and tools.
- Replace fire apparatus components to include but not limited to, electrical systems, suspension, driveline, hoses, belts and specialty parts.
- Inspect equipment and vehicles for common maintenance problems and monitor fluid levels.
- Operate air powered wrenches and tire break-down equipment, and MIG or TIG welding equipment.
- Diagnose and repair complex repair problems within accepted guidelines.
- Test vehicles, machinery, equipment and parts for proper operation.
- Conduct road tests of vehicles undergoing repair, including fire apparatus and equipment.
- Modify, design, and fabricate special purpose equipment.
- Perform engine tune-ups using computerized control systems.
- Operate and maintain diagnostic equipment, air tools, grinders and hand tools for the maintenance and repair of automotive and related equipment.
- Operate a motor vehicle, fire apparatus and related equipment.
- Order and stock equipment and parts.
- Perform basic mathematical calculations.
- Prepare reports, including work orders, activity reports, and maintenance logs.
- Operate a personal computer and related software and demonstrate proficiency to prepare work orders, documents, e-mail and timesheets.
- Communicate effectively and establish and maintain working relationships with the public, vendors, and other SFMD departments and employees.

Minimum Required Qualifications

- High school diploma or GED equivalency; and

- Five (5) years' experience in the maintenance, repair and inspection of fire apparatus and related equipment including experience maintaining and repairing diesel motors; and
- Emergency Vehicle Technician (EVT) Fire Apparatus Level I Certification at time of hire or promotion; and Emergency Vehicle Technician (EVT) Master Fire Apparatus Certification within two years of appointment to the Mechanic II position.
- Valid Arizona Commercial Driver's License Class B; or
- Any equivalent combination of experience and training which provides the knowledge and abilities necessary to perform the work;
- Must possess a complete set of mechanical hand tools.

Preferred Qualifications

- Emergency Vehicle Technician (EVT) Master Fire Apparatus Certification;

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.

Salary and Benefits:

The District offers an excellent benefit package that includes:

- Paid Vacation and Illness Leave
- Uniform Allowance
- Tuition Reimbursement
- Retirement benefits through Arizona State Retirement System
- Group Insurance benefits available to choose from include:
 - Medical Insurance
 - Dental Insurance
 - Vision Insurance
 - Basic Life/AD&D Insurance – paid by District
 - Supplemental Life/AD&D Insurance
 - Long Term Disability
 - Supplemental Insurance
- 457(B) Deferred Compensation Plan and Roth IRA
- Employee Assistance Program – paid by District

SFMD is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.