



## SENIOR FIRE EQUIPMENT MECHANIC

**AGENCY/DEPARTMENT:**  
Public Works/Equipment Services

Approved By HR Director: Linda Matthews  
Date Approved: 01/03/2005  
Date of Last Revision: 10/30/2003

Reports to: Lead Mechanic  
Supervises: N/A  
Conflict of Interest Code Filer: No

**JOB SUMMARY:** Under general supervision, performs highly skilled mechanical work in the servicing and repair of fire apparatus, equipment, vehicles and facilities; and performs other related work as necessary.

### EXAMPLES OF ESSENTIAL FUNCTIONS:

1. Examines and locates mechanical defects in a variety of fire apparatus, vehicles and equipment.
2. Reads and interprets technical manuals and schematic diagrams.
3. Diagnoses malfunctions and determines the need for and extent of repairs.
4. Works with and supervises other personnel performing preventative maintenance according to established schedules.
5. Repairs gasoline and diesel engines, hydraulic, fuel, ignition systems and repairs or replaces components including generators, lights, fire pumps and accessories.
6. Fabricates special equipment as needed.
7. Maintains service and repair records.
8. Researches technical designs and participates in the writing of specifications for new fire apparatus.

### QUALIFICATION GUIDELINES:

**EDUCATION:** High School diploma or recognized equivalent, supplemented by technical courses in automotive and heavy equipment maintenance and repair.

**EXPERIENCE:** Seven years as a journey-level mechanic in a recognized truck or heavy equipment repair facility or five years as a Fire Equipment Mechanic.

#### KNOWLEDGE OF:

- Methods, materials, and tools used in the repair of light and heavy duty automotive and related equipment.
- Operating principles of gasoline and diesel engines.
- Occupational hazards, safety orders and safe work practices related to equipment operation and maintenance and pertinent laws and codes.

#### ABILITY TO:

- Use wire feed and electric arc welding equipment to repair, construct and modify parts.
- Diagnose defects in engines and other running parts of automotive equipment.
- Adapt available tools and repair parts to specific repair problems.
- Perform skilled maintenance and repair of fire apparatus, equipment vehicles and facilities.
- Communicate effectively both orally and in writing with co-workers, supervisors, management, other department representatives, and the public.
- Provide own work tools to perform job assignments.

- Establish and maintain cooperative working relationships.

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**LICENSES:**

- Valid Class C CA drivers license and an acceptable driving record at time of appointment.
- Obtain valid Class A CA drivers license prior to the end of probation.

**CERTIFICATIONS:**

- California Fire Mechanic I
- ASE Heavy Duty General Mechanic

**SPECIAL REQUIREMENTS:**

- Subject to standby duty for emergency response as needed to maintain or repair equipment in the field. Maximum residency response time of 30 minutes to the City limits.

**DESIRABLE:**

- California smog, lights and brake certificates.

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**FLSA Exemption Status:** Non-Exempt

**Employee Unit:** American Federation of State, County and Municipal Employees

**DOT Program Participant:** Yes

**Job Family:** Equipment Services - Trades

**Career Progression:**