

**Title:** Fire Equipment Mechanic  
**PG:** 47  
**Status:** Civil Service  
**Position Reports to:** Fire Equipment Supervisor  
**Department:** Fire

**Class Code:** 4015  
**Date:** 03/09

### **GENERAL DESCRIPTION OF CLASS:**

This is line technician level work involving the maintenance, diagnosis, and repair of gasoline and diesel powered fire equipment. Work involves responsibility for inspection, evaluating and repairing the mechanical conditions of fire equipment and for checking repaired equipment for proper operation. Employees in this class have responsibility for maintaining records of work orders and preparing inspection reports. Work is performed under general supervision and reviewed on the basis of results achieved.

### **ESSENTIAL FUNCTIONS:**

1. Inspects maintenance conditions and repair of fire equipment, automobiles, light trucks, and small engines; reports deviations from the standards and procedures of the equipment maintenance program to superiors.
2. Performs aerial apparatus inspections and maintenance.
3. Prepares time sheets and equipment reports, and prepares lists of parts necessary to repair equipment.
4. Performs fire pump annual tests and maintenance.
5. Performs skilled repair and testing work on electrical systems, fuel systems, engines, and other finely adjusted equipment.
6. Performs all levels of repair to self contained breathing apparatus.
7. Performs oxyacetylene and electric welding as required, fabricates specialized equipment.
8. Performs installation of varied electrical and other auxiliary equipment onto existing vehicles.
9. Responds to fire alarms as required by supervisor.

### **ADDITIONAL RESPONSIBILITIES:**

1. Performs related work as required.

### **KNOWLEDGE, SKILLS & ABILITIES:**

1. Considerable knowledge of the standard practices, methods, tools and equipment of the trade.
2. Considerable knowledge of the principles of hydraulic power equipment.
3. Considerable knowledge of the principles of internal combustion engines.
4. Considerable knowledge of the occupational hazards and necessary safety precautions of the trade.
5. Considerable knowledge of the principles of electricity and electronics.
6. Skill in the use of tools and in the operation of machines and equipment commonly used in the automotive mechanic's trade.
7. Ability to make inspection of automotive equipment of serviceability and to prepare standard inspection reports.
8. Basic knowledge of computers and fleet maintenance software.

### **WORKING ENVIRONMENT/CONDITIONS:**

Requires light to medium work that involves walking or standing virtually all the time, exerting 20/50 pounds of force on a recurring basis, routine keyboard operations. The job risks exposure to significant environmental hazards, extreme noise levels, fumes, and/or noxious odors, moving machinery, electrical shock. The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

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**QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):**

1. High school diploma or its equivalent.
2. Five (5) years of experience in the repair and maintenance of automotive equipment at the line technician level.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.

**SPECIAL REQUIREMENTS:**

1. Must possess and maintain a valid state of Florida driver's license (Class E within one year).
2. Must maintain a valid home telephone number.
3. May be required to obtain certification from the state of Florida minimum standards for firefighters.
4. Must obtain certification from breathing apparatus manufacturer for regulator repair personnel within one (1) year of appointment.
5. Must possess a National Institute of Automotive Service Excellence certificate of competency in at least three (3) subject areas.
6. Must have own tools.
7. May be required to maintain a valid personal contact phone number.
8. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.