



Department:	Public Works/Vehicle Maint.
Bargaining Unit:	SEIU
Salary Range:	E37
Last Revision:	April 1995

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## **EQUIPMENT MECHANIC**

### **DEFINITION**

Under general supervision, to perform minor and major mechanical repairs to gasoline and diesel powered automotive, heavy and light construction, and other power-driven equipment.

### **SUPERVISION EXERCISED**

Exercises no supervision

### **EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

Inspect, diagnose, and locate mechanical difficulties on City automobiles, trucks, and a variety of diesel and gasoline powered maintenance and construction equipment; determine extent of necessary repairs.

Replace or repair faulty parts including wheel bearings, clutches, oil seals, shock absorbers, exhaust systems, steering mechanisms, and related parts and equipment.

Weld and fabricate light and heavy equipment.

Install electrical systems, radar, radios, lights, gun racks, computers, and other equipment in new public safety vehicles.

### **OTHER JOB RELATED DUTIES**

Perform related duties and responsibilities as assigned.

### **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

#### **Knowledge of:**

Operating and repair characteristics of a wide range of City owned equipment.

**Knowledge of:**

Operation and care of diesel and fuel injection engines and hydraulic equipment.

Methods, materials, equipment, and tools used in routine welding and fabrication work.

Materials, methods, practices, and equipment used in the maintenance and repair of a wide variety of light and heavy automotive and other equipment.

Occupational hazards and standard safety precautions necessary in the area of equipment maintenance and repair work.

Safe driving principles and practices.

**Skill to:**

Operate a wide variety of equipment and tools used in the maintenance and repair of light and heavy automotive and other equipment in a safe and effective a manner.

Operate a motor vehicle safely.

**Ability to:**

Perform journey level equipment mechanical work including the troubleshooting of equipment for both major and minor repair work.

Identify maintenance and mechanical repair needs.

Analyze problems, identify alternative solutions, project consequences of proposed actions, and implement recommendations in support of goals.

Read, interpret, and apply a wide variety of technical information from manuals, drawings, specifications, layouts, blueprints, and schematics.

Interpret, and apply the policies, procedures, laws, and regulations pertaining to assigned programs and functions.

Accurately determine project material needs and estimate time and cost.

Work independently in the absence of supervision.

Communication clearly and concisely, both orally and in writing.

Establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

**Experience and Training Guidelines**

*Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:*

**Experience:**

Two years of experience performing minor and major equipment repair duties including experience in the maintenance and repair of gas and diesel powered equipment.

**Training:**

Formal or informal education or training which ensures the ability to read and write at a level necessary for successful job performance including specialized training in maintenance and repair of gas and diesel powered equipment.

**License or Certificate:**

Possession of, or ability to obtain, an appropriate, valid driver's license.

**Special Requirements:**

*Essential duties require the following physical skills and work environment:*

Ability to sit, stand, walk, kneel, crouch, stoop, squat, crawl, twist, climb, and lift 50 lbs; exposure to cold, heat, noise, outdoors, vibration, chemicals, explosive materials, mechanical hazards, and electrical hazards; ability to travel to different sites and locations.

**Effective Date:** April, 1995