

EQUIPMENT MECHANIC

Series Specification
Equipment Mechanic I
Equipment Mechanic II
Lead Equipment Mechanic

DEFINITION

This series specification describes three classes used to repair, maintain and service all District vehicles and other equipment; to include, trucks, tractors, and grounds equipment.

TYPICAL DUTIES

Incumbents trained and knowledgeable in ignition and computer electronic systems diagnostics; diagnose and make necessary repairs on all district vehicles and other equipment; knowledge & familiarity of diagnostic tools & equipment; smog and automotive tune-up technical skills and qualifications; inspect and diagnose mechanical defects in machines and equipment, disassemble motors; repair and replace parts, may order necessary parts and materials; may fabricate or repair machinery parts by cutting and grinding metal to precise dimensions; recondition and adjust ignition and carburetor systems; repair and adjust transmissions and differentials; repair and adjust air and hydraulic brakes; rebuild and repair small engines and power tools; assemble and test new and repaired equipment; set up and operate all standard machine tools including drill press, sharpener, and grinders; ability to set up and perform smog inspection and repairs; move, install and service mechanical equipment; do lubrication, oil changes, and battery maintenance; change, repair and balance tires on district vehicles including specialized equipment; analyze & repair hybrid vehicles; diagnose & repair electric carts; repair electrical ignition systems; make service calls for emergency repairs; may do welding; requisition parts and materials; instruct subordinates; assign and review work; maintain operating and repair records; perform related work as required.

ALLOCATION FACTORS

Variety and difficulty of assigned tasks; degree of leadership exercised and received. Level I mechanic works on small equipment; Level II mechanic and Lead Equipment Mechanic works on all equipment.

LEVEL DESCRIPTIONS

Equipment Mechanic I: The entry-level class of series. Incumbents under general leadership perform skilled repairs on small equipment; assist Equipment Mechanic II in performing skilled equipment repairs; pick up repair parts as directed.

Equipment Mechanic II: The journey-level class of the series. Incumbents, under general leadership perform skilled equipment repair. Incumbents trained and knowledgeable in ignition and computer electronic systems diagnostics. Smog and automotive tune-up technical skills and qualifications.

Lead Equipment Mechanic: The lead equipment mechanic level class of the series. Prepares requisition parts and materials. The lead mechanic under direction of the district transportation supervisor, performs skilled equipment mechanic work and assigns and reviews work of skilled equipment mechanics.

QUALIFICATIONS

EXPERIENCE

Equipment Mechanic I: Equivalent to completion of apprenticeship in the trade, plus two years of experience as a skilled mechanic of small equipment or two years experience as a maintenance technician in the Los Rios District with demonstrated skill in mechanical repair work.

Equipment Mechanic II: Equivalent to completion of apprenticeship in the trade, plus three years of experience as a skilled mechanic or two years as an Equipment Mechanic I with the Los Rios District.

Lead Equipment Mechanic: Four years experience as a journey-level equipment mechanic or one year as an Equipment Mechanic II with the Los Rios District.

EDUCATION

Equivalent of two years of college-level course work in automotive repair may be substituted for one year of experience.

SPECIAL REQUIREMENTS

Possess and maintain a valid California Driver's License in compliance with Los Rios Board Regulation R-8343; employment is contingent upon meeting the requirements of Los Rios Board Regulation R-8343. This position may require operating a District or personal vehicle in order to complete assigned work within the scope of the position duties. Any offer of employment will be contingent upon the successful completion of a medical evaluation.

KNOWLEDGE OF

All Levels: Working knowledge of tire balancing machine (electronic computer type), smog testing machine and engine analyzers.

Equipment Mechanic I: All of the following techniques and skills as it pertains to small equipment: practices, processes, techniques, tools and materials used in repair and maintenance of motorized equipment; trouble shooting and repairs of electrical systems associated with a variety of motorized vehicles; principles of internal combustion engines; working properties of various metals; safety practices, methods, and materials related to mechanical shop.

Equipment Mechanic II And Lead Equipment Mechanic: All of the techniques and skills of Equipment Mechanic I, plus all of those same skills as they pertain to all equipment; working knowledge of 24, 36, and 48 volt electric carts; diagnostic type scan tools.

ABILITY TO (ESSENTIAL FUNCTIONS)

All Levels: Perform the basic functions of the position; distinguish between color coded wires; identify functioning and/or malfunctioning equipment; read and write at a level required for successful job performance; adhere to safety rules and regulations.

Equipment Mechanic I: (On small equipment) Diagnose and correct mechanical difficulties; use shop equipment and tools to make major and minor repairs; work from blueprints and sketches; initiate and sketch simple design modifications for metal parts and machinery; use calipers, micrometers, thread gauges and other measuring tools of the trade; follow directions; work effectively with others; read and write at the level required for successful job performance.

Equipment Mechanic II And Lead Mechanic: Use and apply required skills of Equipment Mechanic I as they relate to all equipment in addition to knowledge and training ignition and computer electronic systems diagnostics. Smog and automotive tune-up technical skills and qualifications.

Lead Equipment Mechanic: Plan and direct work of skilled mechanics; make material and labor estimates; maintain good working relationships.

Physical And Environmental Factors: May perform heavy physical labor; work in confined or cramped spaces; work around wetness and on slippery surfaces; work around constant loud noises and pronounced vibration with the appropriate safety equipment; frequent contact with oil or grease; work in or around areas with major amounts of dust present; lift heavy objects with or without assistance using appropriate lifting techniques (objects are sometimes elevated from floor level to above the shoulders); reach, push, bend, stand, and maneuver in performing daily duties.