

COLTON JOINT UNIFIED SCHOOL DISTRICT

CLASS TITLE: MECHANIC

BASIC FUNCTION:

Under the direction of Vehicle Maintenance Supervisor, perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance of a variety of large and small District vehicles and equipment including gasoline, diesel and alternative fuel-powered equipment.

REPRESENTATIVE DUTIES:

Perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance on buses, automobiles, trucks, tractors and other large and small mechanical equipment, including gasoline, diesel and alternative fuel-powered equipment. *E*

Evaluate maintenance, servicing and repair needs; read and interpret schematics and diagrams; inspect and diagnose mechanical malfunctions; prepare work list of the mechanical maintenance and repair needs of District mechanical equipment. *E*

Perform routine maintenance safety checks and inspections. *E*

Tune engines and carburetors. *E*

Adjust and reline brakes; maintain and replace air and hydraulic brake system components; install axles; overhaul steering gears and drive shafts; change and balance tires. *E*

Diagnose and repair engine electrical and ignition systems, such as distributors, coils, alternators, starters, and related systems. *E*

Repair and adjust standard transmissions, drive shafts, differentials, universal joints, gears, valves, transfer cases, and rear ends. *E*

Maintain shop area, equipment and tools in a safe, clean and orderly condition. *E*

Operate a variety of specialized electronic diagnosis equipment and machinery; operate a computer terminal to order parts, maintain inventory, fuel usage and mileage records as assigned. *E*

Operate a school bus over a designated route in cases of emergency as assigned.

Perform electrical and acetylene welding, brazing and soldering as assigned.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Techniques and practices of maintenance and repair of heavy and light automotive vehicles and grounds maintenance equipment.

Safe operation of related tools, equipment and procedures in the overhaul, repair and adjustment of motor equipment and of fuel, ignition, electrical and cooling systems.

Operation, theory and principles of gasoline, diesel and alternate fuel powered engines.

Methods, equipment, tools and materials used in the repair and maintenance of vehicles and equipment.

Diagnostic procedures for vehicles and equipment.

Technical aspects of field of specialty.

Shop math applicable to vehicle maintenance.

Health and safety regulations.

ABILITY TO:

Diagnose, repair and maintain a wide variety of large and small gasoline, diesel and alternate fuel-powered engines and related equipment.

Diagnose and repair mechanical, electrical and computerized malfunctions.

Operate specialized equipment used in repairing or servicing of vehicles.

Read and apply technical and mechanical diagrams, schematics and repair manuals.

Analyze situations accurately and adopt an effective course of action.

Maintain records related to safety, preventive maintenance and work performed.

Understand and follow oral and written directions.

Work cooperatively with others.

Observe legal and defensive driving practices.

EDUCATION AND EXPERIENCE:

Education: **High School graduate or the equivalent.** Proof required.

Experience: Two years journey-level automotive or diesel maintenance and repair.

LICENSES AND OTHER REQUIREMENTS:

Possession of a valid Class A or B California Driver License.

Valid California Special Driver Certificate with transit or zero restrictions, which may require a valid First Aid Certificate, or the ability to obtain it within 9 months from appointment in the position.

Valid Medical Examiner's Certificate.

A.S.E. Heavy Duty Brake or equivalent certification, or the ability to obtain it within 9 months from appointment in the position.

WORKING CONDITIONS:

ENVIRONMENT:

Vehicle and equipment repair shop environment.

Driving a vehicle to conduct work.

Emergency call-out.

PHYSICAL ABILITIES:

Pulling, pushing, lifting and carrying heavy objects (up to 75 pounds).

Walking or standing for extended periods.

Bending at the waist, kneeling or crouching.

Reaching overhead, above the shoulders and horizontally.

Dexterity of hands and fingers to operate power tools and equipment.

Seeing to observe and perform repairs.

Perform repetitive hand and body motions.

HAZARDS:

Subject to noise and fumes from equipment operation.

Exposure to fumes and vapors.

Working in a cramped or restrictive work chamber.

Working around and with machinery having moving parts.