



Sequoia Union High School District

Job Description

JOB TITLE:	Vehicle Mechanic
REPORTS TO:	Director Maintenance and Operations
CLASSIFICATION:	Classified / M&O
SALARY SCHEDULE:	17.00
WORK - YEAR / HOURS:	12 months / 7.5 hours
LOCATION:	Site District
BOARD APPROVAL:	11/5/1997

DEFINITION

Under general supervision, to perform skilled and complex troubleshooting, repairs, and overhaul of buses, light trucks, passenger vans, and light equipment; to maintain records of work performed; and to perform related work as assigned.

DISTINGUISHING CHARACTERISTICS

Vehicle Mechanic is a full journey level classification, capable of the full range of mechanical, electrical, hydraulic, pneumatic, gasoline and diesel repair and maintenance required for buses, vehicles and equipment. This classification is distinguished from Service Mechanic which focuses on servicing and basic repairs, and from Lead Vehicle Mechanic which has responsibility for overseeing the work of the unit.

EXAMPLES OF DUTIES

- Road tests, inspects and troubleshoots buses, vans, light trucks and equipment, and small equipment to assess their condition and determine needed repairs;
- Tunes, repairs and prepares gasoline and diesel engines for overhaul, replaces cams;
- Adjusts, repairs, replaces and/or rebuilds carburetors, fuel injection systems, and other fuel system components;
- Installs, troubleshoots, adjusts, replaces, repairs, and rewires electrical systems and components, such as ignition, relays, regulators, and electrical controls, including computer controlled components;
- Changes transmission mounts, detents, and controls; replaces and adjusts clutches; removes

and replaces transmissions;

- Adjusts, disassembles, and repairs or rebuilds drum and disk braking systems, valves, master cylinders, and pneumatic or other hydraulic controls;
- Repairs and replaces suspension and steering components;
- Repairs and rebuilds hydraulic and pneumatic apparatus such as backhoes, loaders, booms, and lifts, and prepares cylinders for precision grinding;
- Uses welding and cutting equipment for repairs, modification, and fabrication;
- Maintains records and assists inventory and in keeping shop areas clean and safe.

QUALIFICATIONS

Knowledge of:

Principles, practices, methods, tools and materials used in the maintenance and repair of buses, and light trucks and equipment, including hydraulics.

Operating principles of internal combustion engines and vehicle and equipment systems and components.

Use, adjustment, and care of hand and power tools common to the trade.

Principles and practices of gasoline and diesel engine maintenance, repair, and overhaul.

Skill in:

Troubleshooting, diagnosing, testing, repairing and performing preventive maintenance to gasoline and diesel powered buses, vans, light trucks and equipment.

Testing, troubleshooting, making repairs to, and performing preventive maintenance on transmissions and fuel, ignition, electrical, electronic, steering, suspension, hydraulic, pneumatic, braking, coolant, air conditioning, power take off drives, large transmissions, and other automotive and equipment systems.

Operating diagnostic, testing, and troubleshooting equipment.

Operating welding equipment and a variety of power tools.

Establishing and maintaining effective working relationships with those contacted in the course of the work.

A typical way of gaining the knowledge and skills outlined above is:

Equivalent to attainment of journey level status as a mechanic; and, one year of journey level experience in vehicle and equipment repair, or two years of experience at a level equivalent to the District's Service Mechanic.

PHYSICAL REQUIREMENTS

The physical abilities required of this classification may include the following:

- Physical ability to lift and carry parts weighing up to 100 pounds; manoeuvring heavier parts and equipment.
- Work in exposure to inclement weather, and fluids and fumes associated with mechanical work.
- Work in tight or confined conditions, prone, awkward positions, and bend, stoop, kneel and crawl.
- Manual dexterity and arm strength to operate tools and equipment.
- Vision sufficient to drive buses with passengers, perform repairs, and read manuals and schematics.
- Color vision to distinguish color coded parts and/or wiring.

OTHER REQUIREMENTS

Must possess a valid California bus driver's license and have a satisfactory driving record.