

MECHANIC

BASIC FUNCTION:

Under the direction of the Director of Maintenance, Operations and Transportation, perform journey-level mechanical work in the safety inspection, diagnosis, repair and preventive maintenance of a variety of large and small District vehicles and equipment including gasoline, diesel and battery-powered equipment.

REPRESENTATIVE DUTIES:

- Perform journey-level mechanical work in the safety inspection, diagnosis, repair and preventive maintenance on buses, automobiles, trucks, tractors and other large and small mechanical equipment, including gasoline, diesel and battery-powered equipment. **E**
- Evaluate maintenance, servicing and repair needs; inspect and diagnose mechanical malfunctions; prepare work list of the mechanical maintenance and repair needs of District mechanical equipment. **E**
- Perform routine preventive maintenance and bus safety checks and inspections; inspect and repair chassis, including springs, tires, wheels and steering components; change oil and filters; fuel vehicles. **E**
- Tune engines and carburetors. **E**
- Inspect, adjust and reline air and hydraulic brake systems; maintain and replace air and hydraulic brake system components. **E**
- Diagnose and repair engine electrical and ignition systems, such as distributors, coils, alternators, starters, and related systems. **E**
- Inspect, repair and adjust standard transmissions, drive shafts, differentials, universal joints, gears, valves, transfer cases, and rear ends. **E**
- Inspect and repair gas and diesel fuel systems; repair and maintain cooling, ventilation and lubrication systems. **E**
- Repair and replace interior parts and equipment, such as seats, floors and others; perform glazing and minor auto body repair work as assigned. **E**
- Maintain shop area, equipment and tools in a safe, clean and orderly condition; clean bus chassis and engines. **E**
- Operate a variety of specialized electronic diagnosis equipment and machinery; maintain inventory, work orders, fuel usage, mileage and inspection check records as assigned. **E**
- Operate a school bus in cases of emergency as assigned; deliver District vehicles to local shops.
- Perform electrical and acetylene welding, brazing and soldering as assigned.
- Perform related duties as assigned.

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 repair, preventive maintenance and adjustment of motor equipment and of fuel, ignition, electrical and cooling systems.

Operation, theory and principles of gasoline, diesel and battery-powered engines.

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

Inspect and diagnostic procedures for vehicles and equipment.

Technical aspects of field of specialty.

Shop math applicable to vehicle maintenance.

Health and safety regulations.

ABILITY TO:

- Must submit to and pass pre-employment and random drug and alcohol screening.
- Provide a DMV printout dated within two months.
- Diagnose, repair and maintain a wide variety of large and small gasoline, diesel and battery-powered engines and related equipment.
- Diagnose and repair mechanical and electrical 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:

Any combination equivalent to: graduation from high school and three years journey-level automotive or diesel maintenance and repair.

LICENSES AND OTHER REQUIREMENTS:

- Possession of a valid California Class II driver's license.
- Valid California Bus Driver's Certificate with passenger endorsement.
- Valid Medical Examiner's Certificate.

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.
- 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.

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SMJUHSD
Range 32