

IMPERIAL COMMUNITY COLLEGE DISTRICT

CLASS TITLE: VEHICLE AND EQUIPMENT MECHANIC

BASIC FUNCTION:

Under direction of the Maintenance and Operations Manager, perform skilled work in the diagnosis, repair and maintenance of a wide variety of large and small District vehicles and equipment including gasoline, diesel and battery-powered equipment and small engines.

REPRESENTATIVE DUTIES:

Repair and maintain the District's passenger vehicles, trucks, grounds maintenance equipment, oil recovery tank, golf carts, and other large and small diesel, battery and gasoline-powered equipment.

Perform preventive maintenance to all equipment, vehicles, and emergency lighting and pumping equipment; perform light maintenance on buses.

Determine necessary parts for maintenance and repairs; order parts for vehicle and equipment repairs; prepare estimates and maintain records related to time and materials required.

Overhaul transportation vehicles and grounds maintenance equipment; repair and adjust engines, transmissions, differentials and clutches.

Operate a wide variety of equipment and machinery including arc and gas welders, drills, meter, lathes, tire changing and balancing machines, motor vehicles, forklift, boom truck, electric carts, lawnmowers, power hand tools, pressure washer, and steam cleaner.

Respond to emergency requests for assistance for vehicle repair.

Perform safety checks and inspections on District trucks, passenger vehicles and other mechanical equipment; adjust, repair and replace parts as necessary; assure vehicles meet State and local standards for transportation and safety compliance.

Read and interpret schematics and diagrams; diagnose and repair mechanical defects in a variety of vehicles; inspect and diagnose mechanical malfunctions in a wide variety of power equipment, power tools and mechanical equipment; recommend outside assistance in major repairs as appropriate.

Adjust and line brakes; rebuild and replace hydraulic brake system components; perform front-end alignment and repair.

Tune engines and carburetors; repair and valves; replace, fit and adjust pistons, rings and bearings; clean, repair and replace carburetors, fuel pumps, fuel lines, gauges and electrical wiring systems; repair and replace alternators, voltage regulators, batteries and electrical wiring.

Maintain shop area, equipment and tools in a safe, clean and orderly condition; purchase materials and spare parts as required; pick up parts as needed.

Perform welding, brazing, soldering and regular routine service on College-owned machinery and equipment.

Change College marquee as assigned.

Assist other maintenance personnel as assigned.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

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

Diagnostic procedures used in vehicle and equipment maintenance and repair.

Shop math applicable to vehicle maintenance.

Basic record-keeping techniques.

Health and safety regulations.

State motor vehicle and smog regulations.

Technical aspects of field of specialty.

ABILITY TO:

Diagnose and repair mechanical and electrical defects and faulty parts and components on a wide variety of passenger vehicles, trucks, grounds maintenance equipment and other gasoline- and battery-powered equipment.

Operate equipment used in repairing and servicing motor vehicles and equipment.

Perform skilled vehicle maintenance and repair functions for a wide variety of vehicles and powered equipment.

Read and use mechanical diagrams, repair manuals and parts catalogs.

Maintain routine records related to work performed.

Plan and organize work.

Work both independently and as member of a team.

Observe legal and defensive driving practices.

EDUCATION AND EXPERIENCE: Any combination equivalent to: graduation from high school and three years journey-level experience in the maintenance, repair and overhaul of heavy and light gasoline, diesel and battery-powered equipment and electrical systems.

LICENSE AND OTHER REQUIREMENTS: Ability to possess or obtain Valid California Class B driver's license and refrigerant recovery certificate within five months of date of hire.

WORKING CONDITIONS: Duties are primarily performed in a vehicle maintenance shop environment; subject to noise and fumes from vehicle and equipment operation, hazardous materials used in the shop and adverse weather conditions.

PHYSICAL DEMANDS: Must see to maintain and repair vehicles and drive a vehicle; hear and speak to communicate with others; lift heavy objects weighing up to 80 pounds; work in cramped spaces and unusual positions while maintaining and repairing vehicles; stand and walk for long periods of time; sit, stoop, bend, lift, reach and work in confined spaces for extended periods of time.