

## AUTOMOTIVE MECHANIC (BUS-TRUCK)

### DEFINITION

Repairs a variety of automotive equipment, including heavy buses, heavy trucks, and alternative fuel powered equipment.

### TYPICAL DUTIES

Overhauls and maintains a variety of heavy-duty gasoline, diesel, and alternative fuel automotive equipment, including trucks from one-half ton to ten ton capacity, school buses with gross vehicle weight of from 7,000 to 40,000 pounds, crawler and wheel tractors, and rollers.

Overhauls and maintains passenger automobiles, air compressors, forklifts, skiploaders, etc. Diagnoses sources of trouble or failure in automotive equipment, including those in electronic components.

Performs repair work, such as installing engines and installing piston rings, fitting bearings, aligning rods, completely overhauling internal combustion engines, tuning up and timing engines, repairing or replacing electronic components, repairing clutches, overhauling transmissions including automatic types, overhauling single- and two-speed differentials, removing and balancing wheels, and inspecting and repairing mufflers and smog control devices.

Adjusts and repairs hydraulic loading systems and controls, mechanical vacuum boosters, hydraulic and air brakes, suspension systems, steering assemblies, and ignition systems, including the setting of voltage regulators, generators, and alternators.

Lubricates engines and chassis and performs preventive maintenance checks.

Performs simple electric and acetylene welding.

Cleans tools, equipment, and the work area.

Road tests vehicles.

Matches tires on dual wheels.

Performs related duties as assigned.

### DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

An Automotive Mechanic (Bus-Truck) repairs and maintains heavy-duty buses and trucks, passenger automobiles, and other automotive equipment.

An Assistant Garage Supervisor assists in supervising fleet maintenance personnel in the repair of a variety of automotive equipment and is responsible for a garage during an assigned shift.

An Automotive Mechanic performs mechanical repairs on automobiles and other light duty gasoline-powered equipment and assists in repairing heavy-duty equipment.

### SUPERVISION

General supervision is received from a Garage Supervisor or an Assistant Garage Supervisor. Work direction may be exercised over apprentices in the trade, a Garage Assistant or a Garage Attendant.

## CLASS QUALIFICATIONS

### Knowledge of:

Principles of automotive mechanics, electrical systems, and emission controls  
Automotive repair tools, including their proper use and care  
Automotive diesel engines, alternative fueled power engines, including compressed natural gas (CNG) and propane equipment systems, and hydraulic loading systems  
Safety practices required in the use of garage equipment and the performance of repair work on electrical and fuel systems  
California Vehicle Code relating to requirements of air brake systems in heavy trucks and school buses

### Ability to:

Operate and adjust brake grinding equipment, motor analyzers, drill presses, welding equipment, synchronograph equipment, smog emission equipment, and hydraulic presses  
Operate dynamometers, electronic analyzers, various automotive diagnostic scan tools, and laptops  
Use and read precision instruments such as micrometers and dial indicators  
Read manuals and specifications and select proper parts from catalogs  
Diagnose malfunctions by reading instruments and hearing improper operation  
Access standard District computer software applications, including e-mail and required on-line trainings  
Work cooperatively with other employees

### Special Physical Requirements:

Safely lift and carry automotive parts and equipment weighing at least 50 pounds  
Ability to stand, walk, bend, crawl, crouch, and kneel  
Crawl under vehicles and stretch to reach components requiring repair or replacement  
Manual dexterity to operate automotive repair tools and equipment

## ENTRANCE QUALIFICATIONS

### Education:

Graduation from high school or evidence of equivalent educational proficiency.

### Experience:

Completion of a four year apprentice training program in heavy duty automotive equipment repair, or four years of equivalent experience which must have included two years of mechanical repair work on heavy-duty buses or trucks.

### Special:

A valid Class B California Driver License with a "passenger" endorsement will be required prior to the completion of the probationary period.  
Must furnish a roll away tool box and hand tools of the trade up to 1-1/4 inch.

## SPECIAL NOTE

Effective January 1, 1995, all employees in this classification are subject to the Federal Highway Administration regulations for drug and alcohol testing as required by the Omnibus Transportation Employee Testing Act of 1991.

This class description is not a complete statement of essential functions, responsibilities, or requirements. Entrance requirements are representative of the minimum level of knowledge, skill, and/or abilities. To the extent permitted by law, management retains the discretion to add or change typical duties of a position at any time, as long as such addition or change is reasonably related to existing duties.

Revised  
10-24-16  
JPK