

BUS MECHANIC II

DEFINITION

Under general supervision, performs journey level maintenance and repair on gasoline and alternative fuel City buses including Compressed Natural Gas (CNG), Hydrogen Fuel cell, Battery Electric and related equipment.

SUPERVISION RECEIVED/EXERCISED

The Bus Mechanic II receives supervision from an Equipment Supervisor. The class does not exercise supervision.

DISTINGUISHING CHARACTERISTICS

Bus Mechanic II is the journey level class in the Bus Mechanic series. Incumbents perform fully skilled maintenance and repairs on alternative fuel and gasoline powered buses and related equipment. This class is distinguished from Bus Mechanic Leadworker in that the latter is the advanced working/lead level class in the series. It is distinguished from Bus Mechanic I in that the latter is the trainee level class in which incumbents work under close supervision while receiving training in maintaining and repairing buses and related equipment in City Transit buses.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

May include, but are not limited to, the following:

Performs skilled tasks in the repair and maintenance on buses and related transit equipment.

Performs engine tune-ups and adjustments using standard testing and diagnostic equipment.

Inspects, diagnoses, repairs, and maintains diesel, gasoline, and alternative fuel engines including Compressed Natural Gas (CNG), Hydrogen Fuel cell and Battery Electric, drive train, brakes, suspension, steering, electrical including electrical systems, heating, ventilation and air conditioning and related components of transit vehicles and mechanical equipment.

Maintains records of work performed and assists in the training of subordinates.

Responds to road calls to repair buses and related equipment.

Maintains a clean work area and assists with the cleaning of shop areas and equipment.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

The methods, materials, tools, and techniques used in the repair and maintenance of buses and related transit equipment.

The operating principles of heavy duty engine and sub-systems.

The occupational hazards and safety precautions of the trade, including the handling of hazardous material.

Troubleshooting and diagnostic practices and techniques for buses and related transit equipment.

Skill/Ability to:

Understand and carry out written and oral instructions.

Adapt available tools and repair parts to specific repair problems.

Interpret and work from manuals, schematics, sketches, diagrams, and work orders.

Diagnose mechanical and electrical systems and related sub-systems.

Read, write and perform shop math at the level required for successful job performance.

Establish and maintain effective working relationships with those contacted in the performance of assigned duties.

Operate computers and applicable software applications for basic data entry necessary for completion of assigned duties.

Properly use hand and power tools and equipment used in transit maintenance and repair.

Operate a motor vehicle safely.

MINIMUM QUALIFICATIONS

Education:

Possession of a High School Diploma or equivalent GED Completion.

Experience:

Two (2) years of full-time paid experience performing routine maintenance and repairs on diesel and gasoline powered cars, trucks, buses, construction equipment, and other vehicles including Liquid/Compressed Natural Gas (LNG/CNG), Hydrogen Fuel cell, Battery Electric vehicles and equipment. A certification of completion or Associate's Degree from a recognized vocational, technical, or accredited college or university program in automotive or heavy equipment may be substituted for one (1) year of experience.

Special Requirement(s):

Possession of a valid California Commercial Class B Driver's License with passenger endorsement and without air brake restriction is required at the time of application and continued maintenance throughout the entire term of employment in this classification.

Possession at the time of application and continued maintenance throughout the entire term of employment in this classification the following two (2) valid certificates issued by the National Institute for Automotive Service Excellence (ASE) in the Bus Transit (H) Series:

- Brakes (H4)
- Steering & Suspension (H5)

Within twelve (12) months of appointment, incumbents must obtain, and maintain throughout the entire term of employment in this classification, any additional two (2) ASE certifications in the Bus Transit (H) Series. Incumbents must take these two (2) above certification examinations within the first six (6) months of appointment. Failure to obtain the ASE certifications within twelve (12) months of appointment will be cause for termination from this classification.

A Bus Mechanic I may be promoted to Bus Mechanic II as early as six (6) months of experience at the I level upon recommendation of the appointing authority and possession of the required license and certifications as listed on the Bus Mechanic I job specification. Employees hired at the II level will be required to serve the twelve (12) month probationary period at that level.

PHYSICAL DEMANDS

The physical demands described here are representative of those that are necessary to

safely, effectively, and efficiently perform the essential functions of this job with or without reasonable accommodation.

This classification's physical demands involve heavy work exerting up to 50 pounds of force occasionally, and/or up to 30 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects. Additionally, the following physical demands may be required: balancing, climbing, crawling, crouching, feeling, manual dexterity, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity, walking.

APPROVED: Signature on File
Director of Personnel Services

DATE: 10/20/2025

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