



Class Summary

The responsibilities of this classification include performing a wide variety of skilled mechanical repair and maintenance work on gasoline, electric, hybrid and diesel powered buses, trolleys and other motorized and auxiliary equipment.

Distinguishing Characteristics

This is the second of a three-level Mechanic classification series. Work involves maintenance, repair and overhaul of all engine, transmission, suspension, electrical, pneumatic, hydraulic and related components and assemblies. Work also involves the installation, maintenance and repair of auxiliary equipment and electronic systems. Work requires incumbents to learn and transfer new and expanded mechanical and electronic knowledge and skills as diagnostic systems and mechanical/electronic components are modified and updated. Work also requires compliance with all applicable, federally mandated safety-sensitive requirements. Work is performed under the general supervision of Lead Transit Mechanics and higher-level vehicle maintenance supervisors.

Examples of Duties (May vary by position)

1. Inspect, diagnose, and repair mechanical defects in gasoline, electric, hybrid and diesel-powered buses, trolleys, trucks, cars and other heavy motorized mechanical equipment; operate and maintain electronic diagnostic and related equipment.
2. Diagnose, dismantle, repair and overhaul all types of gasoline and diesel internal combustion engines, automatic transmissions, differentials, hydraulic, pneumatic and electrical systems.
3. Install, maintain and repair electrical and mechanical units and accessories of electrically powered trolley coaches using electrical diagrams and schematics.
4. Align wheels, adjust/replace brakes and repair pumps, starters, injectors, lights, steering gears, generators and air conditioning systems.
5. Install, maintain and repair a variety of auxiliary systems, equipment and electronics including fare collection, communication, surveillance and related components.
6. Operate overhead cranes, hydraulic lifts, hoists, jacks, drill presses, brake turning lathes as appropriately certified.
7. Perform field repair work and emergency road repairs; drive wrecker truck in order to tow in disabled coaches.
8. Maintain records of orders, completed repairs, time worked and materials used; enter and extract data in automated vehicle maintenance system.
9. Perform other duties as assigned.

Knowledge/Skills

Journey-level knowledge of and skill in the principles, practices, techniques, tools and equipment of the automotive and diesel repair trade

Knowledge of current methods, materials, lubricants, tools and equipment used in servicing, diagnosis, preventive maintenance, overhaul and repair of gasoline, electric, hybrid and diesel powered buses, trolleys and other motorized and auxiliary equipment.

Knowledge of mechanical principles of gasoline, diesel and electric powered engines; fluid, pneumatic and hydraulic systems; power train, suspension, and chassis components and assemblies; and electrical, ignition, braking, heating and air conditioning systems

Knowledge of installation, maintenance and repair of auxiliary systems, equipment and electronics including fare collection, communication, surveillance and related components

Knowledge of current diagnostic techniques and equipment used in fleet repair operations

Knowledge of industrial safety rules, shop safety rules, and applicable regulations and procedures that apply to a vehicle repair facility

Communication skills

Customer service skills

Interpersonal skills

Basic computer skills required to enter and extract information from automated vehicle maintenance systems and related software applications

Skill in the operation of electronic diagnostic equipment as well as power and hand tools used in mechanical maintenance and equipment repair

Skill in the operation of overhead cranes, hydraulic lifts, hoists, jacks, drill presses, lathes and related equipment

Skill in the operation of wreckers and associated auxiliary equipment and winches

Skill in basic mathematics

Skill in working with a variety of individuals from diverse backgrounds

Skill in establishing and maintaining effective working relationships

Licensing, Certification and Other Requirements

Washington State Driver License

Commercial Driver License with appropriate endorsements as required

Verified completion of a recognized automotive and diesel repair apprenticeship program or equivalent hands-on experience

Must pass a post-offer, pre-employment physical examination

Must pass drug and alcohol testing provisions for safety sensitive positions as required by the U.S. Department of Transportation, 49 CFR Parts 40 and 655

Willingness and availability to work varying shifts on weekdays, nights, weekends and holidays

This is a classification specification and not an individualized job description. Additional minimum qualifications may be established for individual positions based on business needs and are specified in position announcements as appropriate.

FLSA Designation	Non-Exempt
Service Status	Career Service
Levels within same series	Transit Mechanic - Apprentice , Transit Mechanic, Transit Mechanic - Lead
Class History	Updated 10/2010 Updated description; changed format Changed Title: Mechanic
