

BRAKE AND FRONT END SPECIALIST*Class Definition*

Under general supervision, performs specialized mechanical and repair work in front end alignment, and brakes; and provides lead direction for preventative maintenance activities.

Distinguishing Characteristics

Brake and Front End Specialist is an advanced journey level class in the Fleet Management Division of the Department of Administrative Services. Incumbents are responsible for performing specialized mechanical front end repair and alignment and brake repair duties primarily on medium and heavy construction equipment and trucks. Reporting to Supervisor level personnel, the incumbent provides lead direction to other equipment service personnel. This class is distinguished from other equipment repair classes by its special emphasis on medium and heavy construction equipment and truck brake and front end repair.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Inspects, diagnoses, tests and repairs air brake supply and service systems, mechanical and foundation systems, parking and emergency brakes, hydraulic and hydro-vac systems, power assist units and related systems.

Inspects and diagnoses front ends for needed repair; replaces bushings; rebuilds front ends, king pins, gearboxes, and tie rod ends; adjusts and rebuilds steering gear boxes; installs parts using hand and power tools.

Assigns and provides lead direction for preventative maintenance activities and inspects work of subordinates upon completion.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of the standard practices, repair techniques, tools, and materials used in brake and front end repair.

Knowledge of techniques involved in preventative maintenance of brakes, front ends, axle assemblies, gearboxes, suspension and steering mechanisms.

Knowledge of occupational hazards and safety precautions of the trade.

Ability to provide lead direction and instruction to subordinate employees.

Ability to diagnose malfunctioning mechanical systems/subsystems, such as hydraulics, or related electrical repairs.

Ability to adapt available tools and repair parts to specific repair problems.

Ability to understand and carry out written and oral instructions.

Ability to establish and maintain effective working relationships.

Skill in the use and operation of tools and machinery used in brake, front end repairs and alignment.

Minimum Qualifications

Two years of experience equivalent to that gained as a Heavy Equipment Mechanic II with the City of Fresno; or two years of journey level medium/heavy construction equipment and truck experience specializing in front end and brake repair.

Special Requirements

Possession of a valid Class C California Driver's License at time of appointment.

Must acquire a valid Class B California Commercial Driver's License, without air brake restriction, within 30 days of appointment and maintain a valid Class B California Commercial Driver's license for the entire term of employment in this class.

APPROVED: _____
Director of Administrative Services

DATE: _____

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