MECHANIC II

Class Definition

Under general supervision, to perform complex skilled work in the maintenance and repair of automobiles, trucks, buses, sweepers, graders, tractors and other mechanical equipment.

<u>Distinguishing Characteristics</u>

This class is distinguished from the Mechanic III as the latter provides lead direction for the entire shop as well as assisting with the day-to-day scheduling and work of the most difficult equipment. The Mechanic II provides training to the Mechanic I positions and is expected to exercise independent judgment and initiative in the performance of assignments.

Typical Tasks

Inspects motorized and mechanical equipment; diagnoses trouble and determines extent of necessary repairs.

Performs complex skilled maintenance and repair of diesel and gasoline engines.

Overhauls, repairs, and adjusts diesel and gasoline engines, standard and automatic transmissions and differentials.

Installs new or rebuilt engines.

Resets and adjusts valves.

Replaces rods and gears.

Cleans, repairs, and replaces carburetors, fuel pumps, fuel lines and gauges.

Rewires and reconditions electrical systems.

Tests and repairs starters and magnetos.

Repairs and replaces generators, distributors, relays, lights, and switches.

Overhauls hydraulic, booster, and vacuum systems and air brakes.

Repairs and replaces radiators, water pumps, and hoses.

Brazes and welds metal.

Performs basic machine shop work.

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Performs work on light duty vehicles also, as needed.

Fabricates special construction.

Maintains preventive maintenance and servicing records.

Maintains records of time, materials, parts, and work performed.

Test drive and operate vehicles and equipment.

Performs minor body repair and paint work.

Performs related work as required.

Knowledge, Abilities, and Skills

Knowledge of the methods, techniques, and procedures, tools, and equipment used in the automotive mechanical trade.

Knowledge of the operation and maintenance of internal combustion and diesel engines.

Knowledge of the mechanical repair methods related to heavy trucks and construction equipment.

Knowledge of the safety precautions of the automotive mechanical trade.

Ability to diagnose problems in automotive and other equipment.

Ability to determine necessary repairs of engines and related mechanical systems.

Ability to safely use and care for the tools and equipment used in the automotive mechanical trade.

Ability to make repairs of engines and related systems.

Ability to keep and maintain service and maintenance records.

Ability to understand and follow oral and written instructions.

Ability to establish and maintain effective work relationships with co-workers, other city employees, vendors, and city officials.

Minimum Requirements

Graduation from high school supplemented with some course work in automotive mechanical repairs and considerable experience in automotive mechanical repair work including heavy equipment; or an equivalent combination of education and experience. Must provide own basic hand tools for equipment.

Necessary Special Requirements

Possession of a valid Class 3 California driver's license. Desire possession of a valid Class 2 California driver's license.

APPROVED_

Chairman, Personnel Board

DATE 02/10/80

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