

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 4262 **TITLE:** FIRE APPARATUS MECHANIC **GRADE:** F-17

DEFINITION:

Under general supervision, performs highly skilled mechanical work in the inspection, diagnosis, repair and preventative maintenance on specialized Fire and Rescue Department apparatus, fire pumps, aerial ladders, breathing apparatus, small engines, and related equipment; and performs related work as required.

DISTINGUISHING CHARACTERISTICS OF THE CLASS:

The Fire Apparatus Mechanic is distinguished from the Assistant Fire Apparatus Supervisor in that the Assistant Fire Apparatus Supervisor supervises the day-to day activities at one site or shift; whereas the Fire Apparatus Mechanic is responsible for the maintenance and repair of fire apparatus on an assigned shift.

The Fire Apparatus Mechanic is distinguished from the Automotive Mechanic II in that Fire Apparatus Mechanic performs mechanical work only on specialized vehicles and equipment within the Fire and Rescue Department; whereas the Automotive Mechanic II performs mechanical work on all other County vehicles.

ILLUSTRATIVE DUTIES:

Detects, diagnoses, and repairs mechanical and electrical problems in Fire and Rescue apparatus, pumpers, aerial devices, and boats and outboard motors;
Performs complete fire pump overhauls and rebuilds power transfer transmissions, replacing damaged pump plumbing, rebuilding water valves and rebuilding pumper water tanks;
Rebuilds aerial ladders and diagnoses aerial hydraulics;
Performs maintenance and repairs breathing air compressors and generators;
Performs mandated NFPA Pump Testing;
Repairs and replaces aerial cables, pre-piped waterways, and stabilization jacks;
Performs custom fabrication for Fire and Rescue Apparatus;
Designs, layout, and builds brackets, boxes, and other equipment out of aluminum or steel, utilizing mig, tig, or stick welding to assemble the items;
Diagnose and repairs Fire and Rescue Department rescue boats and outboard motors, power winches, and other miscellaneous small equipment;
Prepares new vehicles for service to include installing lights, sirens, and custom built compartments, installs radios, MCT's and intercom systems;
Responds to major emergency incidents when Fire and Rescue vehicles will be in prolonged operations.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Proficiency in the diagnosis, adjustment and repair of all assigned vehicles/equipment systems;
Ability to learn job related technical information, and to communicate such information to co-workers;
Ability to drive Fire vehicles and equipment for testing;

Ability to lift at a minimum fifty pounds on several occasions;
Ability to bend, stoop, and climb in confined areas of vehicles;
Ability to withstand heights.

EMPLOYMENT STANDARDS:

Any combination of education, experience, and training equivalent to:

Completion of the tenth grade; PLUS

Five years of experience in problem diagnosis, repair and maintenance of a wide variety of light, medium, heavy and/or specialized automotive equipment;

Two years of the required experience must have been at a level comparable to Automotive Mechanic II;

Related automotive technical education or trade training above the high school level may be substituted for experience on an hour for hour basis;

Possession of a set of personal hand tools commonly used in the automotive section to which assigned is required upon appointment.

CERTIFICATES AND LICENSES REQUIRED:

Must hold a valid Commercial Driver's License (Class A or B) in the state of residence or be able to obtain same within six months of appointment to the position.

May be required to provide copies of driving record periodically for verification of driving status.

NECESSARY SPECIAL REQUIREMENTS:

None.

REVISED: November 18, 2013
ESTABLISHED: June 13, 2003