



DATE	June 2008
JOB CODE	
FLSA	Non Exempt
EEO	

JOB TITLE: Fire Equipment Technician
DEPARTMENT/DIVISION: Fleet Services
REPORTS TO: Fleet Services Supervisor

SUMMARY:

Responsible for the repair, service, and preventive maintenance of gasoline and diesel powered Fire Service vehicles, engines, ambulances, and equipment.

ESSENTIAL JOB FUNCTIONS:

- Repairs all City-owned Fire Service vehicles and equipment, both in shop and on-site. Will also be required to repair and service any other City-owned vehicles as directed.
- Repairs, maintains, and modifies Fire Service water pumping systems and related components.
- Repairs, maintains, and modifies all Fire Service aerial devices and systems.
- Troubleshoots and repairs electrical, mechanical, and hydraulic malfunctions, including all computerized systems for engine performance and fire equipment systems.
- Visually and manually checks vehicle to diagnose problems.
- Modifies, fabricates, rebuilds, and builds parts.
- Performs preventive maintenance checks which include inspecting and repairing any and all systems as required for the safe and proper operation of the apparatus.
- Road tests vehicles before returning them to the department.
- Cleans up, and completes work orders and time cards on a timely basis.
- Discusses vehicle problems with manufacturers.
- Works on-call as scheduled.
- Performs state safety and emission inspections.
- Rebuilds hydraulic and air systems.
- Welds, fabricates, brazes, and solders parts as required for repairs.
- Repairs hydraulic lines, diagnoses and repairs defects and malfunctions in hydraulic pressure valve bodies, and repairs pumps, if repairable.
- Able to use repair manuals and parts list manuals as needed to affect repairs to equipment.
- Takes oil samples when oil is changed for oil analysis.
- Verifies for his/her supervisor that proper repairs are done on equipment sent to the vendor or a repair shop for accident and warranty work, etc.
- In emergency conditions, is available at all times to perform repair and relief work.
- Puts chains on tires during winter freeze.
- Prepares vehicles for special events such as parades.
- Rebuilds and overhauls engines if necessary.

- Operates all Fire Service equipment and systems in order to test drive before and after repairs.
- Reads and utilizes technical repair manuals and schematics for the diagnosis and repair of vehicles and equipment.
- Reads and understands various meters and computer codes to diagnose equipment and vehicle problems.
- Coordinates the work of others and provides coaching and counseling on work performance.
- Accurately records repairs and parts used for work order retention purposes.
- Works semi-independently and determines most of the actions to be taken in vehicle repairs.
- Performs new vehicle make-readies, checks specifications for compliance with bid.
- Performs road calls as assigned.
- Performs other duties as assigned.

SUPERVISORY/BUDGET RESPONSIBILITIES:

- Assists other technicians with work problems and teaches, instructs, and helps with repair.
- Ability to coordinate all warranty repairs with various manufacturers of fire service equipment and systems.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Working knowledge of mechanic tools and equipment including but not limited to volt ohmmeter, amp meter, pressure gauges, nozzle and valve repair kits, calibrating tools, air disk brakes, micrometers and dial calipers, welders, grinders, saws, drills, torches, brazing rods, precision gauges, tachometers, AC pump/gauges, hydraulic lifts, brake lathe, hydraulic press, drill press, test lights, battery testers, hydraulic flow meter, and mechanics' tools.
- Ability to use a full set of basic mechanic hand tools and regular equipment.
- Knowledge of safety hazards and precautions.
- Knowledge of basic mathematics.
- Knowledge of mathematics such as geometry to measure and fabricate angles, and gussets for structural support.
- Ability to manage several work orders at once.
- Skilled in diagnosing, troubleshooting and repairing mechanical, electrical, hydraulic, and computerized system malfunctions.
- Basic computer skills to communicate through email as well as operate fleet management software.

MINIMUM QUALIFICATIONS:

- High school diploma or GED equivalency.
- Two years experience in the diagnosis, servicing, maintenance, and repair of Fire Service equipment along with trucks and various types of light and heavy equipment.

PREFERENCES:

- Multiple ASE certifications.
- Multiple EVT certifications.

WORKING CONDITIONS:

- Is exposed to extreme heat, cold and temperature swings.
- Lifts objects such as tools and parts weighing up to 60 lbs.
- Works in fleet shop or in the field as necessary to do repairs.
- May work day or evening shifts depending on assignment and at anytime as required by an emergency.

CONDITIONS OF EMPLOYMENT:

- Must satisfy pre-employment drug screening.
- Must satisfy MVR check.
- Must obtain Freon re-claimant certification within six months of employment.
- Must obtain state safety and emission inspection certification within six months of employment.
- Must obtain a Texas Class “A-CDL” driver’s license within six months of employment.
- Must be capable of obtaining Level 1 EVT certifications within one year of employment.