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Volume:	Section: 100 Rules and Regulations	Number: 126	
Subject: Emergency Vehicle Technician Job Description			
Date Issued: August 1, 2018		Originator Chief Klassen	
Rescinds:			

PURPOSE OF THE GUIDELINE

This Policy clearly defines the position of Emergency Vehicle Technician (EVT)

SCOPE

This policy applies to EVT personnel assigned to maintaining the SFMD emergency vehicle fleet.

Schedule: This position is approximately a 40 hour per week and the actual work schedule may vary depending on the needs of the organization and the employee. This position requires evening and weekend on-call duty to address emergent problems.

Direct Supervisor: Designated Chief Officer

Position Summary: The EVT performs a full range of overhaul, maintenance, troubleshooting, repair and service on all apparatus, District vehicles and other District equipment. Ensure strict compliance to safety practices and supports NFPA Standards for fire apparatus. Typical duties may vary by assignment.

Principal knowledge of:

- Providing excellent customer service to both internal and external customers.
- Performing heavy equipment maintenance activities including installation repair, troubleshooting diagnostics and preventive maintenance.
- Evaluating scope of work to be performed and determine whether to repair, rebuild, or replace various parts or assemblies
- Providing input and data for processing work orders, invoices, equipment repair records and activity reports.
- Methods, materials, tools and techniques used in commercial and heavy equipment vehicles and heavy equipment repair and maintenance including diesel engines.
- Disassembling and reassembling engines and mechanical units to inspect and diagnose parts using computerized test equipment, calibration devices, gauges, etc.
- Skilled and proficient in mechanical design and metal fabrication.
- Disassembling gasoline and diesel engines and performing major engine overhauling work.
- Maintaining and repairing hydraulic systems, hydraulic controls, pumps, cylinders, valves, suspensions, springs, bushing, kingpins, drive units, air brake systems, fuel injection systems and diagnostic on-board computer systems.
- Overhauling transmissions and differentials.
- Performing preventative maintenance inspections and complete lubrication and oil changes.
- Installing auxiliary equipment, batteries, tires, wiring, door glass, door handles, hydraulic components and brakes.

- Use personal computers, diagnosing equipment and applicable programs
- Safety practices and procedures.
- Utilizing proper procedures, inspecting, maintaining, and repairing air conditioning systems.
- Operation of vehicles and equipment for diagnostic purposes.
- Fire pumps and related accessories.
- Performing gas, electric welding, including gas tungsten and plasma cutting.
- Welding both heavy and light metals, including ferrous and nonferrous materials.

Ability to:

- Use shop equipment including, but not limited to, hand, bench and machine tools, hydraulic lifts and equipment, wheel and tire repair apparatus.
- Assist in drawing technical and detailed specifications for Fire District apparatus and equipment.
- Drive and operate all Fire District and department apparatus.
- Perform essential job functions relating to vertical transfer of parts or equipment weighting from 70 to 125 pounds
- Perform essential job functions relating to horizontal transfer of parts of equipment weighing from 60 to 100 pounds.
- Follow written and verbal instructions, including manufacturers' service specifications.
- Communicate effectively verbally and in writing.
- Maintains a clean and organized shop and/or work area.
- To be a self-starter, to perform the specific duties and responsibilities with minimal supervision.

Essential functions of this position include: driving; walking, reaching and twisting to access work; climbing on vehicle to work; working with and around other co-workers; vision acuity (near for wiring); communicating with supervisors and co-workers; finger dexterity for component assembly and operation of tools, environmental conditions include; noise from grinders, tools, compressor, etc; hazards (mechanical from wheel mounting, truck parts, etc); atmospheric conditions (dust) from dirt and cinders.

Minimum Requirements

- High school diploma or G.E.D.
- Two years of specialized or technical training beyond high school
- Four years' experience as a professional mechanic including two years as a diesel and heavy equipment mechanic, or any combination of education, experience and training equivalent to the above minimum requirements.
- Clean State of Arizona driver's license, CDL preferred
- Pass drug screening, background and fingerprinting

Perferred Certifications and Training

- Complete NFPA Automotive Fire Apparatus training within 1 years of hire
- EVT Certifications preferred, EVT F1, F3, F4, and F7 required within one year of hire, EVT Fire Master Certification required within 3 years of hire
- A.S.E. Certificate preferred