

RIVERSIDE UNIFIED SCHOOL DISTRICT

CLASS TITLE: WELDER MECHANIC I (Range 25)

BASIC FUNCTION:

Under the direction of an assigned supervisor, perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance of a variety of large and small District vehicles and equipment; perform journey-level welding work in the repair and maintenance projects of District vehicles, facilities and equipment.

DISTINGUISHING CHARACTERISTICS:

The Welder Mechanic I is one of the entry-level classification in the series. Incumbents perform journey-level mechanical work on District rolling stock and equipment and perform journey-level welding. The Automotive/Welder Mechanic II classification is the lead level classification which prioritizes, assigns and provides work direction to shop staff.

REPRESENTATIVE DUTIES:

Perform journey-level mechanical work in the inspection, diagnosis, repair and maintenance of a variety of large and small District vehicles and equipment. *E*

Repair and maintain vehicles and equipment, including heavy vehicles, trucks, backhoes, tractors, vans, cars and other large and small grounds equipment. *E*

Perform journey-level welding work in the repair and maintenance projects of District vehicles, facilities and equipment. *E*

Evaluate maintenance, servicing and repair needs and establish repair priorities; read and interpret schematics and diagrams; inspect and diagnose mechanical malfunctions. *E*

Determine necessary parts for repair; requisition equipment, tools, parts and materials according to established procedures. *E*

Repair worn or damaged fabricated, machined, cast, forged, or welded parts; perform skilled work using electric arc, Tungsten Ignition System (TIG), and oxygen-acetylene welding equipment. *E*

Perform routine maintenance safety checks and inspections. *E*

Overhaul, rebuild and tune engines and carburetors. *E*

Adjust and line brakes; maintain, rebuild and replace other brake system components; change and balance tires. *E*

Perform electrical and acetylene welding, brazing and soldering; fabricate special equipment, tools, parts and structures as needed. *E*

Overhaul, repair and adjust automatic and standard transmissions, drive shafts, differentials, universal joints, gears, valves, transfer cases, and rear ends. *E*

Maintain shop area, equipment and tools in a safe, clean and orderly condition. *E*

Operate a variety of specialized electronic diagnosis equipment and machinery. *E*

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Techniques and practices of maintenance and repair of heavy and light automotive vehicles and grounds maintenance equipment.

Materials, tools, and procedures used in performing skilled journey-level maintenance welding and metal fabrication.

Operation theory and principles of gasoline powered engines.

Methods, equipment, tools and materials used in the repair and maintenance of vehicles and equipment.

Electric arc, Tungsten Ignition System (TIG), oxygen-acetylene welding and equipment.

Diagnostic procedures for vehicles and equipment.

Technical aspects of field of specialty.

Skilled welding safety practices and procedures.

Shop math applicable to vehicle maintenance.

Health and safety regulations.

ABILITY TO:

Diagnose, repair and maintain a wide variety of large and small gasoline powered equipment and small engines.

Utilize electric arc, Tungsten Ignition System (TIG), oxygen-acetylene welding equipment and other tools associated with metal fabrication.

Diagnose and repair mechanical, electrical and computerized malfunctions.

Operate specialized equipment used in repairing or servicing of vehicles.

Read and apply technical and mechanical diagrams, schematics and repair manuals.

Analyze situations accurately and adopt an effective course of action.

Maintain records related to safety, preventive maintenance and work performed.

Comply with safe welding practices and procedures.

Understand and follow oral and written directions.

Work cooperatively with others.

Observe legal and defensive driving practices.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school and two years journey-level experience as a vehicle mechanic or a welder.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license.

WORKING CONDITIONS:**ENVIRONMENT:**

Vehicle and equipment repair shop environment.

Driving a vehicle to conduct work.

Emergency call-out.

Exposure to adverse weather conditions.

Indoor and outdoor environments.

PHYSICAL ABILITIES:

Pulling, pushing, lifting and carrying heavy objects.

Walking or standing for extended periods.

Standing for extended periods of time.

Bending at the waist.

Kneeling.

Reaching overhead, above the shoulders and horizontally.

Dexterity of hands and fingers to operate power tools and equipment.

Seeing to observe and perform repairs.

HAZARDS:

Subject to noise and fumes from equipment operation.

Exposure to fumes and vapors.

Working in a cramped or restrictive work chamber.

Working around and with machinery having moving parts.

Extreme heat and minor burns associated with welding.