

TORRANCE UNIFIED SCHOOL DISTRICT

CLASS TITLE: MECHANIC – PARTS TECHNICIAN

BASIC FUNCTION:

Under the direction of Transportation Supervisor, perform skilled automotive repair work on District school buses, trucks and other gas or diesel powered mechanical or automotive equipment.

REPRESENTATIVE DUTIES:

Repair District school buses and other gas or diesel powered mechanical or automotive equipment; perform road tests to diagnose needed repairs and to test completed repairs. **E**

Inspect for mechanical defects in school buses, trucks, automobiles, backhoes, mowers, tractors and other mechanical equipment. **E**

Disassemble motors and repair and replace parts; recondition and adjust ignition and carburetor systems; service and maintain fuel and cooling systems. **E**

Align wheels, make body and fender repairs, and paint buses as assigned; operate welding equipment to repair and fabricate metal parts. **E**

Overhaul transmissions and differentials; repair and adjust air and hydraulic brakes. **E**

Repair lighting systems, wheel bearings and fuel pumps. **E**

Make parts on lathe and rebuild equipment as needed. **E**

Operate electronic testing equipment and other hand and power tools. **E**

Conduct periodical mechanical safety checks on buses as mandated by law. **E**

Perform lubrication, oil changes, battery maintenance, tire changes and servicing of equipment. **E**

Maintain bus and other motor equipment in clean and safe operating condition. **E**

Maintain parts inventory and inventory records for shop.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Basic principles of gasoline and diesel powered internal combustion engines.

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

Operation and use of hand and power tools and equipment.

Health and safety regulations and procedures.

Proper lifting techniques.

ABILITY TO:

Diagnose mechanical difficulties.

Operate, shop equipment and tools including electronic testing equipment, welders and lathes.

Make minor repairs to a variety of automatic equipment.

Understand and follow oral and written directions.

Observe legal and defensive driving practices.

Maintain routine records related to work performed.

Work cooperatively with others.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by course work in gas and diesel engine repair and one year of increasingly responsible automotive repair experience.

LICENSES AND OTHER REQUIREMENTS:

Valid California Class C driver's license and must be able to obtain a valid California Class B Commercial driver's license within twelve (12) months of employment. Employees in this classification must maintain insurability at the District's standard rate during the term of employment.

WORKING CONDITIONS:

ENVIRONMENT:

Shop and outdoor environment; subject to driving a vehicle and bus to conduct work.

PHYSICAL ABILITIES:

Lifting, bending, pushing, and moving objects weighing up to 75 pounds, hand and finger dexterity to operate mechanical tools and to drive vehicles, seeing to drive and to observe work performed, hearing and speaking to communicate with students, parents, and engine operation, reaching above the shoulder, overhead and horizontally, and climbing steps into the bus.

HAZARDS:

Exposure to driving a school bus during adverse weather and traffic conditions, abusive or uncooperative individuals, vehicle exhaust, and working around and with machinery having moving parts.