

**BUS AIR CONDITIONING MECHANIC***Class Definition*

Under general supervision, maintains and repairs heating, cooling, and refrigeration equipment on City Transit buses.

*Distinguishing Characteristics*

Bus Air Conditioning Mechanic is the journey level class in the Bus Air Conditioning Mechanic series. Used in the Transit Department, incumbents perform skilled tasks involving disassembling, inspecting, replacing, assembling, and testing bus heating and cooling systems. This class is distinguished from Bus Air Conditioning Mechanic Trainee in that the Trainee is an entry level class in which incumbents work under close supervision while receiving training in maintaining and repairing refrigeration equipment in City Transit buses; and from Bus Air Conditioning Mechanic Leadworker in that the leadworker is the advanced working/lead level class in the series.

*Typical Tasks*

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Inspects, maintains, repairs, and overhauls bus heating, cooling, and refrigeration equipment.

Inspects and tests refrigeration and air conditioning systems for leaks, worn or defective parts, and other malfunctions.

Adjusts valves, gauges, thermostats, and other controls.

Drains and/or adds coolant as required.

Analyzes operating efficiency and recommends improvements.

Performs related duties as required.

*Knowledge, Abilities, and Skills*

Considerable knowledge of the theory and operation of automotive heating, cooling, and refrigeration systems.

Knowledge of the materials, equipment, and techniques used in the repair, maintenance, and installation of automotive heating, cooling, and refrigeration systems.

Knowledge of automotive electrical systems.

Ability to work from blueprints and diagrams and to draw diagrams and sketches.

Ability to follow written and oral instructions.

Skill in the use of manual and power tools, gauges, and instruments.

Minimum Qualifications

Status as a Journey level refrigeration mechanic involving work on large and complex industrial or commercial vehicular air conditioning units; or completion of 4,000 hours of City approved training in air conditioning, which typically would be gained as a Bus Air Conditioning Mechanic Trainee with the City of Fresno.

Necessary Special Requirements

Possession of a valid Class II California Driver's License at the time of appointment.

APPROVED: \_\_\_\_\_

Director of Personnel

DATE: \_\_\_\_\_

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