

BUS AIR CONDITIONING MECHANIC

DEFINITION

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

SUPERVISION RECEIVED/EXERCISED

Receives supervision from the Equipment Supervisor. Exercises no supervision.

DISTINGUISHING CHARACTERISTICS

Bus Air Conditioning Mechanic is the journey level class in the Bus Air Conditioning Mechanic series. 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.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

May include, but are not limited to, the following:

Inspects, maintains, repairs, and overhauls bus heating, cooling, HVAC and refrigeration equipment using a variety of tools, equipment and diagnostic software.

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 bus exchanges and road calls including repairs on vehicles in the field.

Read and interpret technical documents related to bus air conditioning.

Maintains a clean work area and assists with the cleaning of shop areas and equipment.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

Theory and operation of automotive heating, cooling, and refrigeration systems.

Methods, materials, tools and equipment, and techniques used in the repair, maintenance, and installation of automotive HVAC (heating, cooling), and refrigeration systems.

Automotive electrical systems.

The occupational hazards and safety precautions of the trade, including the handling of hazardous material.

Skills to:

Use manual and power tools, gauges, and instruments.

Safely operate a motor vehicle.

Ability to:

Follow written and oral instructions.

MINIMUM QUALIFICATIONS

Possession of a High School Diploma or equivalent GED completion;

AND

One (1) year of full-time paid experience involving work on large and complex industrial or commercial vehicular air conditioning units;

AND

Possess two (2) valid certificates issued by the National Institute for Automotive Service Excellence (ASE) in the following components:

Electrical/Electronic Systems (H6)

Heating Ventilation & Air Conditioning (H7)

AND

Possess United States Environmental Protection Agency (EPA) 608 and 609 certifications.

Special Requirement(s):

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

Within thirty (30) days of appointment must obtain a valid Commercial Instructional Permit.

Within six (6) months of appointment must obtain and maintain a valid Commercial Class B California Driver's License with required endorsements and without air brake restriction.

A Bus Air Conditioning Trainee may be promoted to Bus Air Conditioning Mechanic upon recommendation of the appointing authority and after six (6) months of experience as a Bus Air Conditioning Mechanic Trainee with the City of Fresno,

APPROVED: _____
Signature on File
Director of Personnel of Services

DATE: January 19, 2017