

AIR CONDITIONING EQUIPMENT REPAIRER

DEFINITION

Under supervision, to perform skilled air conditioning equipment and systems maintenance and repair work; and to do related work as required.

TYPICAL TASKS

Performs maintenance and repair work on a wide variety of domestic and commercial window, single-zone and multi-zone rooftop units, and central air conditioning equipment and systems; also maintains and repairs heat pump and solar equipment and systems; locates causes of failure or malfunction by observation and testing of mechanical, electrical and pneumatic components; cleans, repairs, replaces and/or adjusts interlocking motor starters, protectors and pneumatic electric controls including step controllers, master and sub-master controllers, thermostats, solenoids, relays, valves, switches, dash pots, fuses and other safety devices; repairs or replaces other functional components of the units or systems as necessary such as compressors, condensers, evaporators, motors and fans; carries out designated procedures for seasonal start-ups and shut-downs; performs preventive maintenance on units and auxiliary equipment during shut-downs such as checking, repairing and calibrating controls, leak testing, lubricating, changing oil and filters, tightening electrical connections and cleaning cooling towers and condensers; requests parts needed for repairs; performs on-call emergency service as scheduled.

Drives a vehicle to and from work locations and keeps vehicle supplied with tools and materials; performs operator maintenance on vehicle and keeps it in orderly condition; keeps records and makes reports of work accomplished and materials used; may supervise and instruct trades helpers.

EMPLOYMENT STANDARDS

Completion of the tenth grade desirable, supplemented by (1) completion of an acceptable apprentice-level training program with some successful experience in performing journeyman-level work, or (2) varied and responsible journeyman-level experience in the air conditioning trade; or any equivalent combination of experience and training which provides the required knowledges, skills, and abilities.

Knowledge of the electrical and mechanical components and functioning of air conditioning units, systems and equipment; working knowledge of local, state and national codes and possession of appropriate

license if required; knowledge of the common hazards and necessary safety precautions; skill in the use of tools and test equipment and materials pertinent to the trade; ability to plan and perform work of the trade at the full journeyman level; ability to follow written and oral instructions, diagrams, schematics, blueprints, and manufacturers' manuals; ability to estimate time and material needs, determine when repair is not economically practical, and to perform routine clerical tasks and arithmetical computations; ability to maintain good interpersonal relationships; possession of a valid state motor vehicle operator's license.

Strength and dexterity necessary to perform all required tasks including lifting, stooping, bending, crawling, working in tiring and uncomfortable positions and from ladders and scaffolds; ability to work in uncomfortably hot or cold temperatures.

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