



Power Generation Equipment Repairer (52D)

Every Army Post must have its own electricity. As a Power-Generation Equipment Repairer, you'll keep the electricity running smoothly by maintaining and repairing electricity-generating equipment in mobile and stationary power plants.

The Power-Generation Equipment Repairer is responsible for supervising and performing maintenance and overhaul of Power-Generation equipment, internal combustion engines and associated equipment.

Some of your duties as a Power-Generation Equipment Repairer may include:

- Performing maintenance on tactical utility, precise Power-Generation sets, internal combustion engines and associated equipment

- Maintaining and repairing motors, generators, switchboards, and control equipment

- Maintaining and repairing power and lighting circuits, electrical fixtures, and other electrical equipment

- Detecting and locating grounds, open circuits, and short circuits in power distribution cables

- Connecting emergency power to the main control board from an emergency switchboard

- Operating standard electrical and electronic test equipment

- Reading technical guides and diagrams to locate damaged parts of generators and control equipment

TRAINING

Job training for a Power-Generation Equipment Repairer consists of nine weeks of Basic Training, where you'll learn basic Soldiering skills, and 11 weeks, four days of Advanced Individual Training, including practice in maintaining electrical power systems. Part of this time is spent in the classroom and part in the field. You'll learn about:

- Generator and power plant operations

- Electrical generation and distribution

- Diesel generator operation, disassembly, inspection and maintenance

- Principles of electrical and electronic circuitry

Further training occurs on the job and through advanced

HELPFUL SKILLS

Helpful attributes include:

An ability to use hand and power tools

An interest in working with large machinery

An interest in electricity

ADVANCED RESPONSIBILITIES

Advanced level Power-Generation Equipment Repairers supervise other Soldiers in the same discipline. Some of your duties as an advanced level Power-Generation Equipment Repairer may include:

Repairing and overhauling starters, alternators, generators, fuel injectors, voltage regulators, switches and control circuits.

RELATED CIVILIAN JOBS

The skills you learn as a Power-Generation Equipment Repairer will help prepare you for a civilian career as a power plant electrician at a construction company, manufacturer or utility company.

RELATED ARMY POSITIONS

Special Purpose Equipment Repairer (52X)

Utilities Equipment Repairer (52C)

Information about this MOS provided by: www.goarmy.com

For further information visit: www.minnesotanationalguard.org