



Aircraft Electrician (15F)

Hundreds of Army missions depend on aircraft for transport, patrol and flight training. Instruments, lights, weapons, ignition systems, landing gear and many other aircraft parts are powered by electricity. It's up to the members of the aircraft electrician team to ensure that the electrical systems on airplanes and helicopters are properly maintained and repaired.

The Aircraft Electrician is primarily responsible for supervising, inspecting and performing maintenance on aircraft electrical systems. Some of your duties as an Aircraft Electrician may include:

- Diagnosing and troubleshooting malfunctions in electrical and electronic components

 - Repairing aircraft instrument systems

 - Applying principles of electricity/electronics, hydrostatic motion, pneumatics and hydraulics to the repair of aircraft instrument systems

 - Removing, installing, repairing, adjusting and testing electrical/electronic elements of assemblies

 - Troubleshooting aircraft electrical systems using test equipment

 - Repairing or replacing defective generators and electric motors

 - Inspecting and maintaining electrical systems

 - Replacing faulty wiring

 - Soldering electrical connections

 - Repairing or replacing instruments, such as tachometers, temperature gauges and altimeters

 - Reading electrical wiring diagrams

TRAINING

Job training for an Aircraft Electrician consists of nine weeks of Basic Training, where you'll learn basic Soldiering skills, and 19 weeks of Advanced Individual Training, including practice in repairing electrical systems. Part of this time is spent in the classroom and part in the field. Some of the skills you learn are:

 - Electrical theory

 - Troubleshooting procedures

 - Soldering techniques

Electrical system maintenance

HELPFUL SKILLS

Helpful attributes include:

An interest in mathematics and shop mechanics

An interest in solving problems

An interest in electricity and how electrical equipment works

An ability to work with tools

ADVANCED RESPONSIBILITIES

Advanced level Aircraft Electricians supervise and train other Soldiers. As an advanced level Aircraft Electrician, you may also be involved in participating in maintenance test flights as required.

RELATED CIVILIAN JOBS

The skills you learn as an Aircraft Electrician will help prepare you for a future with commercial airlines, aircraft maintenance firms, aircraft manufacturers or other organizations that might have fleets of airplanes or helicopters.

RELATED ARMY POSITIONS

Aircraft Pneudraulics Repairer (15H)

Aircraft Powerplant Repairer (15B)

Aircraft Powertrain Repairer (15D)

Aircraft Structural Repairer (15G)

OH-58D Armament/Electrical/Avionics Systems Repairer (15J)

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

For further information visit: www.minnesotanationalguard.org