



PRODUCTION MECHANIC

Job Responsibilities

- Troubleshoots malfunctions in aircraft structure, landing gear, flight surfaces and controls, anti-icing, pneudraulic, engines, auxiliary power unit, and ventilation and heating systems Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems, includes helicopter and aircraft engine specialists
- Fully participate in and support the Fulcrum Concepts Quality Management System.
- Ensure and enforce Quality Control and safety standards.
- Repair, replace, and rebuild aircraft structures, such as wings and fuselage, functional components including rigging, surface controls, plumbing and hydraulic units, using hand tools, power tools, machines, and equipment such as shears, sheet metal brake, welding equipment, rivet gun, and drills.
- Read and interpret manufacturers' and airline's maintenance manuals, service bulletins, technical data, engineering data, and other specifications to determine feasibility and method of repairing or replacing malfunctioning or damaged components.
- Perform 100-hour, progressive, isochronal, phase, periodic, and other hourly or calendar inspections, examines reciprocating engines for cracked cylinders and oil leaks, and listens to operating engine to detect and diagnose malfunctions, such as sticking or burnt valves, inspects engines and components for cracks, corrosion, foreign object damage, burned areas, distortions, security, warping, wear, and missing segments.
- Regularly inspects and evaluates products for quality and defects
- Gathers and arranges materials
- Assists engineers with tasks related to development, construction, and evaluation of prototypes, new products, operations, and/or procedures
- Performs other duties as assigned
- Drafts and maintains production logs, inventories, documentation, and reports including those outlining procedures, batch records, inventory, productivity, changeover, and progress
- Ensures compliance with health and safety laws, regulations, and best practices
- Test engine operation, using testing equipment, such as ignition analyzer, compression checker, distributor timer, ammeter to locate source of malfunction.
- Work involves replacing or repairing worn or damaged components, such as carburetors, alternators, magnetos, fuel controls, fuel pumps, oil pumps, and engine mounted gearboxes, and compressor bleed valves using hand tools, gauges, and testing equipment.
- Removing engine from aircraft, using hoist or forklift truck, disassembling and inspecting parts for wear, cracks, security, or other defects.

Give me a lever long enough, and a fulcrum on which to place it, and I shall move the world - Archimedes



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- Repairing or replacing defective engine parts and reassembles and installs engine in aircraft.
- Adjust, repair, or replace electrical wiring system and aircraft accessories, performs preflight, thru-flight, and post-flight maintenance inspections.
- Perform miscellaneous duties to service aircraft, including flushing crankcase, cleaning screens and filters, greasing moving parts, and checking brakes.
- Supervise the jacking and towing of aircraft.
- Enter in the maintenance records description of the work performed and verifies the work was performed satisfactorily.
- May service engines and airframe components at line station, making repairs, short of overhaul, required to keep aircraft in safe operating condition, may specialize in work, repair and modification of structural, precision, and functional spare parts and assemblies, and may specialize in engine repair.
- Customizing and fabricating experience preferred.
- Rotary Wing experience preferred.

Physical Requirements

- Ability to lift and carry up to 50lbs.
- May be necessary to stand for long periods of time
- Ability to sit, stand, crawl, climb ladders, and work in tight spaces as required

Knowledge and Experience

- Minimum three (3) years actual and recent aircraft structural maintenance / repair experience is required.
- Knowledge and use of special tools/equipment required to perform assigned maintenance tasks is mandatory.
- Must be able to meet physical requirements associated with and/or pass any medical examination requirements related to performing daily assigned tasks.
- Must be able to speak, read, write and understand English.

Additional skills that are not required but beneficial include:

- Proficient in Microsoft Office applications (e.g., Word, PowerPoint, Excel, Access, and Outlook).
- Must be able to perform inspections, services, troubleshooting and tow aircraft.
- Trained and licensed to operate pertinent Aviation Ground Support Equipment (AGSE) and Material Handling Equipment (MHE).



Security Clearance Requirement

- Subject to a security investigation and may need to meet eligibility requirements for access to classified information and a SECRET, TS, or TS/SCI clearance may be required as well.

Education

- High School graduate or equivalent
- Associates Degree preferred
- Must have completed military aviation maintenance training or aviation maintenance technical school curriculum.
- Airframe and Powerplant (A & P) Mechanic certification preferred.

Benefits include:

- 401(k) Safe Harbor Savings Plan
- Medical, Dental, and Vision Insurance Plans
- Short and Long Term and Disability
- Vacation and Sick Leave Packages
- 12 Paid Holidays each year
- 9/80 Work Schedule

The assigned personnel are responsible for the listed duties and responsibilities plus any other direction and responsibilities assigned by the Managing Members.

Fulcrum Concepts, LLC is a service disabled, veteran-owned, small business that provides innovative services and products to solve requirements for its customers. Fulcrum Concepts, LLC specializes in solutions for tactical aviation organizations and is structured to provide comprehensive solutions that begin with an initial requirement and end with fielded products. At Fulcrum Concepts, the unique combination of operational experience and a robust aerospace engineering capability enable the company to provide elegant, lightweight, enduring solutions for its customers.

Fulcrum Concepts, LLC provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability, or genetics. In addition to federal law requirements, Fulcrum Concepts, LLC complies with applicable state and local laws governing nondiscrimination in employment. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

