

## GLOSSARY

- factory remanufactured engine** Engine is completely disassembled and rebuilt by original manufacturer to factory-new tolerances and zero time.
- fuse** A metal link that melts when overheated by excess current; used to break an electric circuit whenever the load exceeds a predetermined maximum.
- inverter** An accessory that converts direct current to alternating current.
- major overhaul** Complete engine disassembly, inspection, and overhaul to manufacturer's specification. Total engine time in the logbook continues.
- master switch** A pilot actuated switch designed to control all electric power in the aircraft.
- normally aspirated** Engine-rated power lacks ability to maintain sea level rated power at altitude.
- open circuit** A break somewhere in a conductor preventing current flow.
- parallel circuit** Two or more circuits connected to the same power source and ground.
- preignition** Premature ignition of fuel/air mixture in cylinder prior to spark plug discharge.
- rated power** Maximum continuous horsepower output when operated at specified RPM and manifold pressure.
- rectifier** An accessory that converts alternating current to direct current.
- relay** An electric switch that is operated by either an electromagnet or a solenoid.
- series circuit** A circuit in which the current must flow through all the circuit elements in order, by a single path.
- short circuit** Contact between conductors permitting a short, low resistance path back to the power source.
- time between overhaul (TBO)** Manufacturer recommended period to first major overhaul; assumes compliance with recommended operating procedures, maintenance, and inspections.
- top overhaul** Entails removal of cylinders, deglazing cylinder walls, installation of new piston rings, and touch-up of valves and valve seats.
- volt** A unit of electromotive force (voltage); a measure of electrical pressure.
- voltage regulator** An accessory that maintains a constant level voltage supply despite changes in input voltage or load.
- watt** Unit of electric power, a rate of doing work. In a direct current circuit: watts = voltage  $\times$  amps.