



## Practical Electricity for Aviation Maintenance Technicians (Mixed media product)

By Dale Crane

Aviation Supplies Academics Inc, United States, 2017. Mixed media product. Condition: New. Special ed.. Language: English . Brand New Book. Practical Electricity for Aviation Maintenance Technicians is written as a classroom text for those preparing to enter the field of aviation maintenance, those seeking an introduction to electricity studies, as well as for experienced mechanics who want to increase their knowledge of electricity and electrical systems. Today s aircraft are loaded with electric motors, lights, instruments and heaters, and the avionics and electronic controls have made flight profitable, safe and efficient. This book provides a solid foundation for keeping up with this fast moving area of technology. After an introduction to the principles of electricity and discussion of DC and AC circuits, the reader is introduced to aircraft electrical circuit components and solid-state devices, followed by a discussion of the two major methods of producing electricity: chemical action, and magnetism. Basic electric motors and generators, aircraft electrical systems, electrical instrument systems, avionics systems, digital electronics, powerplant electrical systems, powerplant ignition systems, and electrical system installation are covered, and the book concludes with systematic troubleshooting methods for aircraft electrical systems. The information reflects both legacy aircraft fleets, and new technologies including...



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