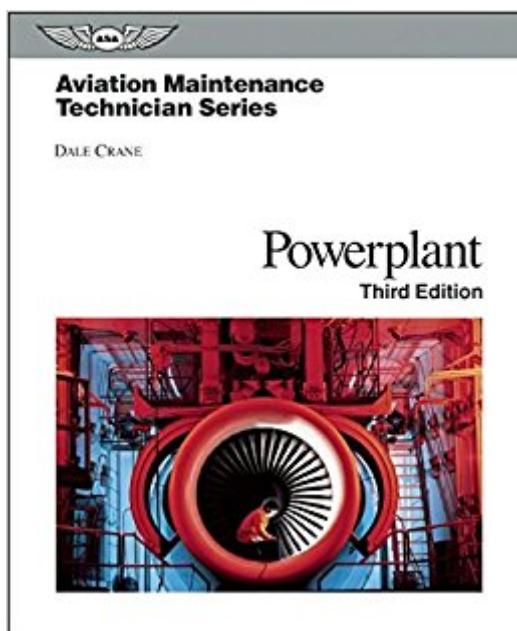


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# Aviation Maintenance Technician: Powerplant (Aviation Maintenance Technician Series)



## Synopsis

Dale Crane's textbook series provides the most complete, up-to-date foundation for Aircraft & Powerplant (A&P) students and educators. The curriculum meets 14 CFR Part 147 course requirements and includes all of the aeronautical knowledge required for the FAA Knowledge Exams for AMTs (aircraft maintenance technicians). They are written and designed for at-home, classroom, or university level training. Powerplant is the final section of the FAA's required curriculum for AMTs, and covers all Part 147 course aspects of aircraft powerplant construction theory, maintenance and inspection -- that is, the engines and their related and connected systems. Detailing the technical maintenance of turbine and reciprocating engines, this book covers the final section of the FAA's required curriculum. Theory and construction of these engines are discussed, along with propellers, development of aircraft powerplants, and powerplant auxiliary systems. Each comprehensive textbook in the AMT Series includes full-color charts, tables, illustrations and photographs throughout, in addition to an extensive glossary, index, and additional career information. This series was created to set the pace for aircraft maintenance technician training and attain a level of quality that surpasses all other maintenance textbooks on the market. A study guide is included within each textbook in the form of Study Question sections, with Answer keys printed at the end of each chapter. These can be used for evaluation by an instructor or for self-testing. Therefore the AMTS textbooks are all-inclusive; no separate, inconvenient workbook is needed by the student or instructor.

## Book Information

Series: Aviation Maintenance Technician series

Hardcover: 800 pages

Publisher: Aviation Supplies and Academics, Inc.; 3 edition (September 15, 2011)

Language: English

ISBN-10: 1560278625

ISBN-13: 978-1560278627

Product Dimensions: 8.5 x 1.4 x 10 inches

Shipping Weight: 4.2 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 13 customer reviews

Best Sellers Rank: #270,204 in Books (See Top 100 in Books) #42 in Books > Engineering & Transportation > Transportation > Aviation > Repair & Maintenance #148 in Books > Textbooks > Engineering > Aeronautical Engineering #385 in Books > Science & Math > Astronomy & Space

## Customer Reviews

Dale Crane: Dale Crane (1923 - 2010). Dale Crane was involved in aviation for more than 50 years. His credentials included Airframe and Powerplant Mechanic, Designated Mechanic Examiner, Commercial Pilot, Flight Instructor (airplanes), and Advanced and Instrument Ground Instructor. He received the FAA's Charles Taylor "Master Mechanic" Award for 50 years of service in and contributions to the aviation maintenance industry, and the recognition of his peers for his excellence in aircraft maintenance as a leader, educator, and aviation safety advocate. Dale began his career in the U.S. Navy as a mechanic and flight engineer in PBYs. After World War II, he attended Parks Air College. After college, he worked as an instrument overhaul mechanic, instrument shop manager, and flight test instrumentation engineer. He spent the following 16 years as an instructor, and then became director of an aviation maintenance school. For the past 30 years, Dale was active as a writer of aviation technical materials and a consultant in developing aviation training programs. He participated with the FAA in the "Aviation Mechanic Occupation Study" in the 1970s, which was key to the major revision of Title 14 Code of Federal Regulations Part 147, and the Aviation Mechanic Textbook Study. ATEC presented to Dale Crane their special recognition award for "his contribution to the development of aviation technicians as a prolific author of specialized maintenance publications." Jerry Lee Foulk: Jerry Lee Foulk is a LeTourneau University instructor, and an FAA Designated Mechanic Examiner. Jerry Foulk has been an instructor of aviation maintenance since 1976, first at Pittsburgh Institute of Aeronautics in Pittsburgh, PA, at Moody Aviation in Elizabethton, TN, and currently at LeTourneau University's School of Aeronautical Sciences, Longview, TX, starting in 2003. He earned his Bachelors of Science degrees in Bible and in Aviation Technology from LeTourneau in 1976, and has also been an FAA Designated Mechanic Examiner since 1993. Jerry also was Technical Editor for the Second Edition of ASA's AMTS Powerplant textbook by Dale Crane.

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