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# Standard Aircraft Handbook For Mechanics And Technicians, Seventh Edition (Aviation)



## Synopsis

The practical, on-the-job aircraft manual--now fully updated For more than 60 years, the Standard Aircraft Handbook for Mechanics and Technicians has been the trusted resource for building, maintaining, overhauling, and repairing aircraft. This illustrated guide provides clear, step-by-step procedures for all essential aircraft tasks. The Seventh Edition has been thoroughly revised to cover the latest advances in the industry, including composite materials, cutting-edge nondestructive testing, and detection equipment and procedures. New photos, diagrams, tables, and schematics are featured throughout this must-have reference. Coverage includes: Tools and their proper use Materials and fabricating Drilling and countersinking Riveting Bolts and threaded fasteners Aircraft plumbing Control cables Electrical wiring and installation Aircraft drawings Nondestructive testing (NDT) Corrosion detection and control Composite materials

## Book Information

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## Customer Reviews

Larry Reithmaier is a retired aerospace engineer who, while at McDonnell Douglas and Rockwell International, helped design and develop the F2H, F3, F86H, F100, F101, and F4 jet fighters, the B-1B bomber, and the Apollo and Skylab spacecrafts. The author of several technical books on aviation, he has also written the Aviation and Space Dictionary, Mach I and Beyond, the Private Pilot's Guide, and the Aircraft Repair Manual. Dr. Ronald Sterkenburg started teaching at Purdue

University in 1999 after a 20-year career in the U.S. Navy. He is an author or co-author of 10 books and more than 60 publications in national and international journals and conference proceedings. The focus of Dr. Sterkenburg's research is the repair of metallic and composite aircraft structures. He is a certificated A & P mechanic, holds an Inspection Authorization (IA), and performs the duties of a Designated Mechanic Examiner (DME).

I bought this book as a part of my preparation for developing some subject matter expertise in the aerospace supply chain and maintenance process subject matter domain - very pleased with the concise and depth of material provided in this book. As the owner of a sailboat - I also found much of the information in this book to be illuminating and helpful to some concepts of boat maintenance - and the tools used therein.

As a surgeon, I think of this book as the "Gray's Anatomy for Airframe Mechanics." Yes, it's fundamental, but knowing the fundamental facts makes for good work. It contains material every airframe mechanic must know in the first year of his apprenticeship, but it will be of inestimable value to the many persons who participate in the expanding field of "Build Your Own Plane," even the best kits require some mechanical know-how and the proper use of the proper tools. No book reaches seven editions without having proved of value to an audience of significant size. The two expert authors describe with the aid of very clear line drawings and illustrations the nature of the tools and how to employ them (also how not!); they describe the nature of materials (not fabrics), and fixation devices (screws, bolts, pins, etc.). To this is added "plumbing, and electrical systems, and then non-destructive testing (NDT) and corrosion. Altogether there is a wealth of primary material which every pilot and aircraft owner should be familiar with, and one day might save him from unnecessary forced landings.

This is a **MUST** have book for anyone that fly's airplanes. It will teach you so much about how to repair an airplane.

Excellent, its a must for engineers and technical personnel. Easy to understand, good explain all the processes. Recommended, buy it

If you are an aircraft mechanic you will already have the hard copy version of this book. Having it on the kindle makes it easy to find information.

I saw the book my engineering manager had for reference. It provided the reference we needed for a design change "debate". It proved out our point. I had to get a copy. Ralph, PE

This edition of "Standard Aircraft Handbook" is great. The book maintains the past greatness & simplicity while bringing forefront new technologies that are revolutionizing aviation for pilots and aircraft builder's. A must into any pilots library.

This is a good reference book.

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