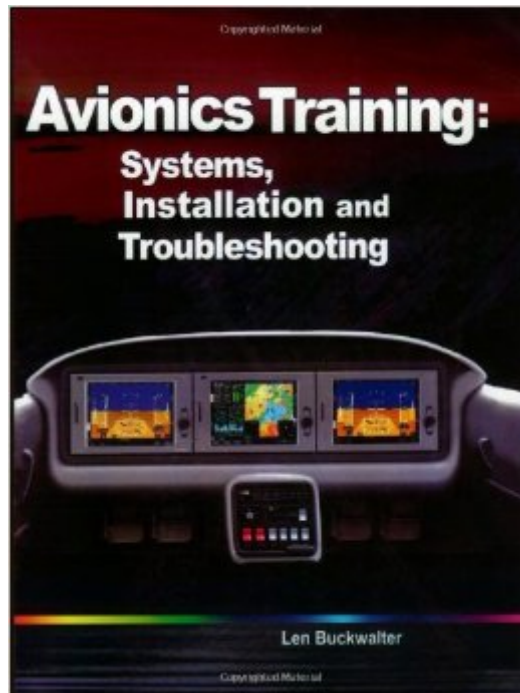# Avionics Training: Systems, Installation, And Troubleshooting

Synopsis

"Avionics Training" is the first book to explain avionics in simple terms, with over 400 illustrations in full color. It assumes no knowledge of electronics, uses no math, formulas or confusing abbreviations. The book explains the operation of 30 systems, how they relate to each other, how they're installed and troubleshooting techniques. This is a hands-on book that replaces theory with "hands-on" information. There are chapters on mounting instruments, preparing wires and connectors, running cables, installing antennas and other practical techniques. The book not only covers conventional avionics of the last 50 years, but the most recent technology, such as GPS, satellite communications, collision avoidance, the new transponders and electronic flight instruments (EFIS). "Avionics Training" was written because of new directions in the avionics industry. The demand today is for people with a "systems" understanding---which is required to find problems and replace faulty "black boxes." This is in contrast to people skilled in circuit theory who repair small components inside the box. The need for such skills is disappearing because the new computerized avionics must be sent back to the manufacturer for repair. The result is increasing demand for troubleshooting on the airplane while it's on the flightline, especially as more electronics spread through almost every onboard system. Already adopted as a text by teaching institutions, this book is recommended for any type of aviation technician, pilots, newcomers entering the avionics field, and marketing and manufacturing personnel needing a broader knowledge of the avionics industry.

Book Information

Paperback: 278 pages

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Average Customer Review: 4.2 out of 5 starsÂ Â See all reviewsÂ (16 customer reviews)

Best Sellers Rank: #653,709 in Books (See Top 100 in Books)   #81 inÂ Books > Engineering & Transportation > Transportation > Aviation > Repair & Maintenance   #127748 inÂ Books > Textbooks

Customer Reviews

This book purports to cover avionic systems, Installation, and troubleshooting. The "systems" section does a good job of covering the systems it does cover, communications and some navigation systems, and that's about all it does do. It does not cover anything related to the fuel, power, airdata, flight control or other systems of an aircraft that are also part of the "avionic" systems. It is obvious that the author has never worked as an avionics technician and views the "systems" of an aircraft from the point of view of a small aircraft pilot. The Installation section was severely lacking and the one-page "troubleshooting" section was a complete waste of paper as it contained none of the methodolgy used to isolate system problems in today's complex corporate and commercial aircraft. The book should be renamed to more accurately portray what it actually covers; "Comm/Nav systems." The current title is misleading and I was very disappointed with this book, considering its purchase price.

This is a great primer if you are a student of or have general interest in airplane avionics. I throughly enjoyed learning about the technologies behind DME, VOR, Comms, GPS, etc. The many, many typos throughout the book lead me to believe this is a self-published book and the author didn't want to pay for a copy editor. If you can get beyond the errors (primarily gramatical), this is well worth a read.

First, I am not sure why my university instructor would pick this book for the Avionics Class. This book is only acceptable for high school level.I would say for an private pilot or technician, this colour/picture book would give them a good introduction to avionics.I've decided to keep this book rather than returning it because of the nice photos, it does serve as a quick reference if you need to look up an avionics acronym.3-stars because the title of the book is mis-leading. It should really be "An Introduction to Communication and Navigation Avionics"

I wanted a book that would help me understand how to install simple radios and matching VOR heads, intercoms, and audio panels. Two way radios have been around since the 1930's and audio panels since the 1960's so the installation technology is not that complicated at a fundamental level. You just have to have the right information. I wanted to learn how to read the pin diagrams and understand the terms used between manufacturers for the connections. How is the 3 wire microphone jack connected to the radio and what is the purpose and function of the three wires on the jack? The book did nothing to assist me in understanding the above. I was planning to make the simplest installation of a stand alone radio with the MIC and phone jacks and matching VOR

indicator. I could not even perform that task after reading this book. The book discussed the most sophisticated, modern day equipment and large jet aircraft applications that would be of no use to a home builder or A&P mechanic working on small aircraft. The book did not even have a chapter on audio panels. To advertise as a practical, how to book is totally misleading. It is like so many of the so called aviation "how to" books in that it is an overview like the A&P textbooks. Publishing and advertising a "how to" book with a lot of fancy, glossy pictures and coverage of radar and the latest integrated systems with no basic or practical information addressing the simplest of installations is a waste of paper.

Received book quickly after ordering. Excellent general overall description of Avionics used in general aviation and airliners. It includes new tecnology like Satcom and Microwave systems. Recommend this book,Avionics Training: Systems, Installation, and Troubleshooting for any aircraft technician wanting to know the general basics of avionics equiptment on today's aircraft.

The book has some typos, but nothing major. The printing and image quality is high, and although the chapters don't go into great detail, it does cover a lot of systems. There's a lot of information that would be hard to find elsewhere (nevermind compile), and it's a good overview. This is worth reading as a pilot, homebuilder, or future technician.

One thing I especially like about this book is how much written information is associated directly with the photos. This is a much more interesting way to convey information than plain text. The information is current & up to date; the systems & components are currently in use in modern aircraft & provide the information necessary to transition to hands on training.

Book was new, exactly as described and what I needed for class.

Avionics Training: Systems, Installation, and Troubleshooting Puppy Training: How To Train a Puppy: A Step-by-Step Guide to Positive Puppy Training (Dog training,Puppy training, Puppy house training, Puppy training ... your dog,Puppy training books Book 3) Puppy Training: Puppy Training for Beginners: The Complete Puppy Training Guide to Crate Training, Clicker Training, Leash Training, Housebreaking, Nutrition, and More Puppy Training: Step By Step Puppy Training Guide-Unique Tricks Included (puppy training for kids, puppy tricks, puppy potty training, housebreak your dog, obedience training, puppy training books) Puppy Training Guide 4th Edition: The Ultimate

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