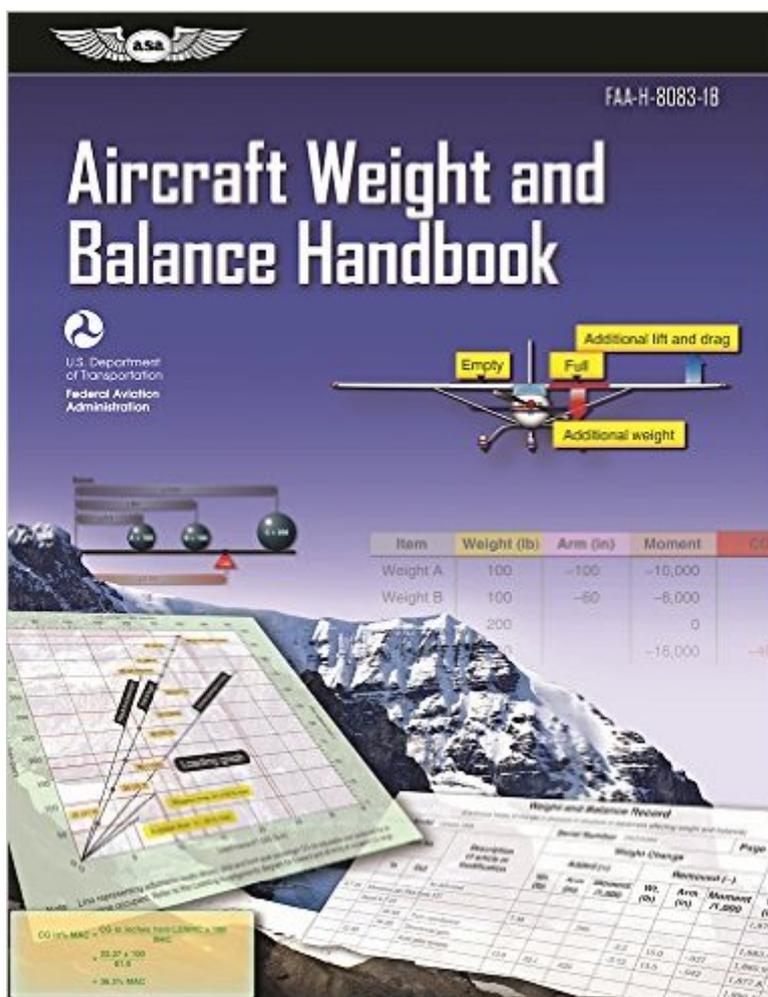


The book was found

Aircraft Weight And Balance Handbook: FAA-H-8083-1B (FAA Handbooks Series)



Synopsis

Weight and balance is an important aspect to the safety of flight. An overweight aircraft, or one whose center of gravity is outside the allowable limits, is inefficient and dangerous to fly. The responsibility for proper weight and balance control begins with the engineers and designers, and extends to the pilot and mechanic who flies and maintains the aircraft. This Federal Aviation Administration (FAA) publication addresses this safety-crucial topic and in studying this handbook, pilots and Aviation Maintenance Technicians (AMTs) will gain the necessary knowledge on the subject of aircraft weight and balance, in preparation for the FAA Knowledge Exam as well as safe flight and maintenance operations. Basic aircraft weight and balance control principles and procedures for the preparation, and the actual weighing of an aircraft start the discussion, including the methods of determining the location of the empty weight center of gravity. Loading computations with loading graphs and tables of weight and moment indexes follow, including instructions on determining the weight and center of gravity changes caused by repairs and alterations or removal and installation of equipment. Chapters are dedicated to light-sport aircraft, single-engine aircraft, multi-engine aircraft, and commuter and large aircraft, as well as helicopter weight and balance control and determining lateral CG. Also included are examples of solving weight and balance problems using a hand-held electronic calculator, E6-B flight computer, and a dedicated electronic flight computer. This 2016 Edition reflects the latest aviation industry procedures, equipment, techniques, regulations, and is a key reference in the FAA Airman Certification Standards (ACS). Illustrated throughout with detailed, full-color drawings, and includes a glossary and index.

Book Information

Series: FAA Handbooks series

Paperback: 112 pages

Publisher: Aviation Supplies and Academics, Inc.; 2016 ed. edition (September 6, 2016)

Language: English

ISBN-10: 1619544814

ISBN-13: 978-1619544819

Product Dimensions: 0.2 x 8.2 x 10.5 inches

Shipping Weight: 8.8 ounces (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (9 customer reviews)

Best Sellers Rank: #28,454 in Books (See Top 100 in Books) #16 in [Books > Engineering & Transportation > Transportation > Aviation > Piloting & Flight Instruction](#) #8110 in [Books >](#)

Reference

Customer Reviews

Made by FAA, this book is very good, explain well all thing about Weight and Balance. I really recommend this book. But remember that is free via FAA website, just buy if you want a paper version.

Going through the A&P certification courses. Had a bit of trouble with the required reading portion of the book relating to W&B. Bought this book as supplemental info, and it came in handy!

This book is great for learning more about weight and balance. It may go into more detail than is needed but it is an excellent supplement to your studies and by reading it you will benefit.

A must own if you are in school taking a WnB class, or if you plan to do any WnB tasks for experimental, etc. Very well written with great illustrations!

The stories in this FAA publication are riveting. Highly recommended to read while enjoying a nice bourbon! Almost brought me to tears!

[Download to continue reading...](#)

Aircraft Weight and Balance Handbook: FAA-H-8083-1B (FAA Handbooks series) Aircraft Weight and Balance Handbook: FAA-H-8083-1a Seaplane, Skiplane, and Float/Ski-Equipped Helicopter Operations Handbook: FAA-H-8083-23 (FAA Handbooks series) Pilot's Handbook of Aeronautical Knowledge: FAA-H-8083-25B (FAA Handbooks series) Aviation Maintenance Technician Handbook—Powerplant: FAA-H-8083-32 Volume 1 / Volume 2 (FAA Handbooks series) Instrument Procedures Handbook: ASA FAA-H-8083-16A (FAA Handbooks series) Advanced Avionics Handbook: FAA-H-8083-6 (FAA Handbooks series) Airplane Flying Handbook: ASA FAA-H-8083-3A (FAA Handbooks series) Aviation Maintenance Technician Handbook—Airframe: FAA-H-8083-31 Volume 1 (FAA Handbooks series) Aviation Maintenance Technician Handbook – General: FAA-H-8083-30 (FAA Handbooks series) Aviation Maintenance Technician Handbook—Airframe: FAA-H-8083-31 Volume 2 (FAA Handbooks series) Aviation Maintenance Technician Handbook—General: FAA-H-8083-30 (FAA Handbooks) Aircraft Inspection, Repair & Alterations: Acceptable Methods, Techniques & Practices (FAA AC 43.13-1B and 43.13-2B) (FAA Handbooks series) Aircraft Dispatcher Oral Exam

Guide: Prepare for the FAA Oral and Practical Exam to Earn Your Aircraft Dispatcher Certificate (Oral Exam Guide series) Aviation Weather Services (2015 Edition): FAA Advisory Circular 00-45G, Change 2 (FAA Handbooks series) Aircraft Inspection, Repair & Alterations: Acceptable Methods, Techniques, & Practices (FAA Handbooks) Gut: Gut Balance Solution: 10 Steps on How You Can Restore Optimal Gut Health, Boost Metabolism and Heal Your Gut Effectively (4-Week Gut Balance Diet Plan, leaky gut, clean gut, Gut Balance Recipes) Aviation Maintenance Technician Handbook-Airframe - Volume 2 (FAA-H-8083-31) Glider Flying Handbook: FAA-H-8083-13A Aviation Maintenance Technician Handbook-Powerplant - Volume 2 (FAA-H-8083-32)

[Dmca](#)