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Aircraft Structural Maintenance - Amy Siever 2013-03-01

"This textbook ... was written for the Aviation Maintenance Technician student of today. It is based on the real-world requirements of today's aviation industry. At the same time, it does not eliminate the traditional subject areas taught since the first A&E schools were certified."--p. iii.

Lean Aviation Blueprint - Anish Kumar Pandey 2021-11-16

The book is about the lean methodology which is developed and implemented by Toyota can equally be applicable in aircraft maintenance and engineering to reduce waste and improve productivity for cost-effectiveness. Proactive approach, ownership and situational awareness played a vital role in cost reduction. "A stitch in time saves nine". This book consists of areas and methods by which cost reduction can be achieved in order to make the industry profitable. This book will create a sense of cost-saving and ownership which helps in curtailing the operating costs. We frequently hear a lot about Airlines going into financial distress, thanks to the challenging business model. Also, primarily the reason behind every Airliner taking a keen interest in LEAN Business Model. Now, this has a massive and complex application on Airlines Management considering the Safety aspect. In this book, based on his Aircraft

Maintenance experience Anish has made an honest attempt to outline proven measures which will eliminate the wastage without compromising the safety aspect. It is a mine of information, demonstrating simplicity and effectiveness in a one-stop. So, Airlines do not necessarily have to waste any further time in amassing the data. apart from lean methodology, this book will give a brief idea of Aviation leaders thinking, strategies to adopt while selecting the external repair agency, Contract strategy that airlines should follow. and many case studies that changes the fortune of aviation.

Aircraft Maintenance and Repair with Study Guide - Michael Kroes 2007-07-02

Care and Repair of Advanced Composites - Keith B Armstrong 2005-06-22

This second edition has been extensively updated to keep pace with the growing use of composite materials in commercial aviation. A worldwide reference for repair technicians and design engineers, the book is an outgrowth of the course syllabus that was developed by the Training Task Group of SAE's Commercial Aircraft Composite Repair Committee (CACRC) and published as SAE AIR 4938, Composite and Bonded Structure

Technician Specialist Training Document. Topics new to this edition include: Nondestructive Inspection (NDI) Methods Fasteners for Composite Materials A Method for the Surface Preparation of Metals Prior to Adhesive Bonding Repair Design Although this book has been written primarily for use in aircraft repair other applications including marine and automotive are also covered.

Acceptable Methods, Techniques, and Practices - 1988

Aircraft Maintenance and Repair Shop, Specialized Equipment - United States. Defense Logistics Agency 1978

Aircraft Maintenance & Repair, Eighth Edition - Ronald Sterkenburg 2019-09-13

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Get up-to-date information on every aspect of aircraft maintenance and prepare for the FAA A&P certification exam This trusted textbook covers all of the airframe maintenance and repair topics that students must understand in order to achieve Airframe and Powerplant (A&P) certification as set forth by the FAA's FAR 147 curriculum. Fully updated for the latest standards and technologies, the book offers detailed discussions of key topics, including structures and coverings, sheet metal and welding, assemblies, landing gear, and fuel systems. Relevant FAA regulations and safety requirements are highlighted throughout. You will get hundreds of illustrations, end-of-chapter review questions, and multiple-choice practice exam questions. New content reflects the industry-wide shift toward all-composite aircraft models and includes explanations of cutting-edge covering systems, modern welding techniques, methods and tools for riveting and rigging, fire detection, and de-icing systems. Aircraft Maintenance & Repair, Eighth Edition, covers: •Hazardous materials•Structures•Fabric•Painting•Welding equipment•Welding and repair•Sheet-metal construction, inspection, and repair•Plastics and composites•Assembly and rigging•Fluid power•Aircraft landing-gear and

fuel systems•Environmental and auxiliary systems•Troubleshooting Acceptable Methods, Techniques, and Practices - United States. Federal Aviation Administration 1998

Applied Human Factors in Aviation Maintenance - Manoj S. Patankar 2017-07-05

Considering the global awareness of human performance issues affecting maintenance personnel, there is enough evidence in the US ASRS reports to establish that systemic problems such as impractical maintenance procedures, inadequate training, and the safety versus profit challenge continue to contribute toward latent failures. Manoj S. Patankar and James C. Taylor strongly believe in incorporating the human factors principles in aviation maintenance. In this, their second of two volumes, they place particular emphasis on applying human factors principles in a book intended to serve as a practical guide, as well as an academic text. Features include: - A real 'how to' approach that serves as a companion to the previous volume: 'Risk Management and Error Reduction in Aviation Maintenance'. - Self-reports of maintenance errors used throughout to illustrate the systemic susceptibility for errors as well as to discuss corresponding solutions. - Two tools - a pre-task scorecard and a post-task scorecard - introduced as means to measure individual as well as organizational safety performance. - Interpersonal trust and professionalism explored in detail. - Ethical and procedural issues associated with collection and analysis of both qualitative as well as quantitative safety data discussed. The intended readership includes aviation maintenance personnel, e.g. FAA-type aircraft mechanics, CAA-type aircraft maintenance engineers, maintenance managers, regulators, and aviation students.

Aircraft Inspection and Repair - Federal Aviation Administration 2010 The official FAA guide to maintenance methods, techniques, and practices essential for all pilots and aircraft maintenance...

Aircraft Inspection, Repair, and Alterations (2023) - Federal Aviation Administration (FAA) 2013-04-03

Aviation Supplies & Academics, Inc. has been the industry's trusted

source for official FAA publications for over 80 years. Look for the ASA wings to ensure you're purchasing the latest authentic FAA release. AC 43.13-1B and AC 43.13-2B are current in 2023. eBundle edition includes printed book and eBook download code. This handbook for Aviation Maintenance Technicians (AMTs), repair stations, aircraft owners and homebuilders details the standards for acceptable methods, techniques, and practices for the inspection, repair, and alteration of aircraft. It is a combination of the two most important Advisory Circulars (ACs) written by the Federal Aviation Administration (FAA) on this topic?--namely, "Acceptable Methods, Techniques, and Practices: Aircraft Inspection and Repair" (AC 43.13-1B) and "Acceptable Methods, Techniques and Practices: Aircraft Alterations" (AC 43.13-2B)--printed and bound into one volume. AC 43.13-1B provides details on the materials and practices, health and safety, inspection, repair, and finishes for wood structures, fabric covering, fiberglass and plastics, and metal structures, welding and brazing. It includes chapters dedicated to nondestructive inspection (NDI), corrosion, inspection and protection, aircraft hardware, control cables and turnbuckles, engines, fuel, exhaust, propellers, aircraft systems and components, weight and balance, electrical systems, avionics, and human factors. AC 43.13-2B is a manual filled with details and instructions for the installation of aircraft components and systems, such as communications, navigation, and emergency systems, anticollision and supplementary lights, skis, oxygen systems in nonpressurized aircraft, rotorcraft external-load devices, cargo slings and external racks, glider and banner tow-hitches, aircraft batteries and more, including guidance on adding or relocating instruments. These combined manuals provide this pertinent information where no manufacturer repair or maintenance instructions exist. The details and standards for methods and practices covered are applicable to non-pressurized civil aircraft with a gross weight of 12,500 pounds or less. Illustrated throughout; includes a glossary, and a list of useful acronyms and abbreviations.

A Repair Network Concept for Air Force Maintenance - Robert S. Tripp 2010

For more than 15 years, the U.S. Air Force has been continually engaged

in deployed operations in Southwest Asia and in other locations. Recent Office of the Secretary of Defense planning guidance directs the services to plan for high levels of engagement and deployed operations, although their nature, locations, durations, and intensity may be unknown. Recognizing that this new guidance might impose different demands on the logistics system, senior Air Force logistics leaders asked RAND Project AIR FORCE to undertake a logistics enterprise analysis. This analysis aims to identify and rethink the basic issues and premises on which the Air Force plans, organizes, and operates its logistics enterprise. This monograph synthesizes the results of the initial phases of the logistics enterprise study. It describes an analysis of repair network options to support three series of aircraft: C-130, KC-135, and F-16. It assesses the effect of consolidating certain scheduled maintenance tasks and off-equipment component repair at centralized repair facilities. It also discusses an initial assessment of maintenance concepts that integrate wing-level and depot-level maintenance processes. Consolidated wing-level scheduled inspections and component back-shop maintenance capabilities would be more effective and efficient than the current system, in which every wing has significant maintenance capabilities to accomplish these activities.

Advances in the Bonded Composite Repair of Metallic Aircraft Structure - A.A. Baker 2003-01-23

The availability of efficient and cost-effective technologies to repair or extend the life of aging military airframes is becoming a critical requirement in most countries around the world, as new aircraft becoming prohibitively expensive and defence budgets shrink. To a lesser extent a similar situation is arising with civil aircraft, with falling revenues and the high cost of replacement aircraft. This book looks at repair/reinforcement technology, which is based on the use of adhesively bonded fibre composite patches or doublers and can provide cost-effective life extension in many situations. From the scientific and engineering viewpoint, whilst simple in concept, this technology can be quite challenging particularly when used to repair primary structure. This is due to it being based on interrelated inputs from the fields of aircraft design,

solid mechanics, fibre composites, structural adhesive bonding, fracture mechanics and metal fatigue. The technologies of non-destructive inspection (NDI) and, more recently smart materials, are also included. Operational issues are equally critical, including airworthiness certification, application technology (including health and safety issues), and training. Including contributions from leading experts in Canada, UK, USA and Australia, this book discusses most of these issues and the latest developments. Most importantly, it contains real histories of application of this technology to both military and civil aircraft.

Engineering Series for Aircraft Repair - 1991

Aircraft Maintenance & Repair - Michael J. Kroes 1993

Human Factors in Aircraft Maintenance - Demetris Yiannakides

2019-09-17

This book provides an in-depth analysis of human failure and its various forms and root causes. The analysis is developed through real aviation accidents and incidents and the deriving lessons learned. Features: Employs accumulated experience, and the scientific and research point of view, and recorded aviation accidents and incidents from the daily working environment Provides lessons learned and integrates the existing regulations into the human factors discipline Highlights the responsibility concerns and raises the accountability issues deriving from the engineers' profession by concisely distinguishing human failure types Suggests a new approach in human factors training in order to meet current and future challenges imposed on aviation maintenance Offers a holistic approach in human factors aircraft maintenance Human Factors in Aircraft Maintenance is comprehensive, easy to read, and can be used as both a training and a reference guide for operators, regulators, auditors, researchers, academics, and aviation enthusiasts. It presents the opportunity for aircraft engineers, aviation safety officers, and psychologists to rethink their current training programs and examine the pros and cons of employing this new approach.

Gray Matter - Denny Pollard 2012-03-22

To be completely frank about it, I'm increasingly aware that there are as many gray areas in aviation as there are black-and-white ones, and I'm beginning to feel as if I know less and less about what I do. I'm a trained and reasonably experienced A&P mechanic, and I'm supposed to know this airplane stuff, but my experiences are often contradictory to what I know are theoretical facts. It's frustrating, and sometimes I think I knew more back when I knew less. Or at least I thought I did. To keep an aircraft in peak operating condition, aircraft mechanics and service technicians perform scheduled maintenance to make repairs and complete inspections required by the Federal Aviation Administration (FAA). Many aircraft mechanics specialize in preventive maintenance. They inspect engines, landing gear, instruments, pressurized sections, accessories, brakes, valves, pumps, and air-conditioning systems, for example, and other parts of the aircraft and do the necessary maintenance and replacement of parts. Inspections take place following a schedule based on the number of hours the aircraft has flown, calendar days, cycles of operation, or a combination of these factors. To examine an engine, aircraft mechanics work through specially designed openings while standing on ladders or scaffolds, or use hoists or lifts to remove the entire engine from the craft. After taking an engine apart, mechanics use precision instruments to measure parts for wear and use x-ray and magnetic inspection equipment to check for invisible cracks. Worn or defective parts are repaired or replaced. They may also repair sheet metal or composite surfaces, measure the tension of control cables, and check for corrosion, distortion, and cracks in the fuselage, wings, and tail. After completing all repairs, mechanics must test the equipment to ensure that it works properly.

Avionics Troubleshooting and Repair - Edward R. Maher 2001-05-02

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Identify, locate, and solve problems in the hottest avionics The new equipment for planes is exciting - and now you can keep it all working smoothly with the best guide ever written on caring for avionics. Written by avionics specialist Edward R.

Maher, this crystal-clear guide brings you— *Repair strategies for the dynamically changing environment of avionics in general aviation
*Coverage of audio noiseproofing, communications systems, GPS, sheet metal, bonding and adhesives, Stormscope, ELT's, lighting systems, instrument calibration, gyros, and more *Assembly, installation, and troubleshooting techniques for use by both pilots and technicians *Clear answers on what pilots can do (and when you need a certified mechanic)
*Problem-identification, diagnostic, and repair procedures you will find nowhere else *Related FAA rules and regulations, plus industry standards
*Comprehensive information on equipment and needed tools
Troubleshoot and repair the most common problems of the most popular avionics! A volume in the Practical Flying Series

Plane Sense - United States. Federal Aviation Administration. Office of Flight Standards 1986

Fundamental information on the requirements of owning and operating a private airplane.

Federal Oversight of the Maintenance and Repair of Aging Aircraft - United States. Congress. House. Committee on Public Works and Transportation. Subcommittee on Aviation 1992

General Aircraft Maintenance Manual - United States. Department of the Army 1970

Aircraft Sustainment and Repair - Rhys Jones 2017-12-15

Aircraft Sustainment and Repair is a one-stop-shop for practitioners and researchers in the field of aircraft sustainment, adhesively bonded aircraft joints, bonded composites repairs, and the application of cold spray to military and civil aircraft. Outlining the state-of-the-art in aircraft sustainment, this book covers the use of quantitative fractography to determine the in-service crack length versus flight hours curve, the effect of intergranular cracking on structural integrity and the structural significance of corrosion. The book additionally illustrates the potential of composite repairs and SPD applications to metallic airframes. Covers corrosion damage assessment and management in aircraft structures

Includes a key chapter on U.S. developments in the emerging field of supersonic particle deposition (SPD) Shows how to design and assess the potential benefits of both bonded composite repairs and SPD repairs to metallic aircraft structures to meet the damage tolerance requirements inherent in FAA ac 20-107b and the U.S. Joint Services

Air Carriers; Outsourcing of Aircraft Maintenance - David A. Dobbs 2009-03-01

This is a review of the FAA's oversight of air carriers; outsourced aircraft maintenance. As of July 14, 2008, there were 4,159 domestic and 709 foreign repair stations certificated by FAA to perform maintenance on U.S. aircraft. When an air carrier uses an FAA-certificated repair station to repair its aircraft or parts, the repair station's organization becomes an extension of the air carrier's maintenance organization. This report: (1) identifies the type and quantity of maintenance performed by external repair stations; and (2) determines whether FAA is effectively monitoring air carriers; oversight of external repair stations; work and verifying that safety requirements are met. Illustrations.

Aircraft Maintenance - United States. General Accounting Office 1990

Aircraft Maintenance - United States. General Accounting Office 1990

Supporting Air and Space Expeditionary Forces - Ronald G. McGarvey 2008

This monograph describes the new modeling approach developed to construct the CONUS CIRF network designs and presents detailed results from the specific analyses. The analyses are based on F-15, F-16, and A-10 aircraft force structure bed-downs resulting from the Defense Base Closure and Realignment Commission's 2005 recommendations. For the three aircraft types, all CONUS active duty bases, Air National Guard (ANG) installations, and Air Force Reserve Command (AFRC) installations possessing combat-coded or training aircraft, along with some Air Force Materiel Command (AFMC) bases, were used as locations to be supported by CIRF networks. CIRF network designs were constructed for aircraft engines (TF34, F100, F110), electronic warfare (EW) pods (ALQ-131,

ALQ-184), Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) navigation (AN/AAQ-13) and targeting pods (AAQ-14s), and F-15 avionics line replaceable units (LRUs). This set of commodities was chosen because previous analyses (many of which were performed at RAND) had suggested that they afforded the largest potential savings from consolidated maintenance. Tasking scenarios considered in these analyses included normal peacetime training and readiness, Air and Space Expeditionary Force (AEF) deployment taskings, and major regional conflict (MRC) taskings.

Aircraft Maintenance - United States. General Accounting Office 1991

Aviation Maintenance Management, Second Edition - Harry A. Kinnison 2012-12-04

"The premier textbook for learning aircraft maintenance from a management perspective. Revised and up-dated to include recent technological, certification and maintenance updates"--Provided by publisher.

Introduction to Maintenance, Repair and Overhaul of Aircraft, Engines and Components - Shevantha Weerasekera 2020-12-29

Introduction to Maintenance, Repair and Overhaul of Aircraft, Engines and Components brings together the basic aspects of a fundamentally important part of the aerospace industry, the one that supports the global technical efforts to keep passenger and cargo planes flying reliably and safely. Over time, aircraft components and structural parts are subject to environmental effects, such as corrosion and other types of material deterioration, wear and fatigue. Such parts could fail in service and affect the safe operation of the aircraft if the degradation were not detected and addressed in time. Regular planned maintenance supports the current and future value of the aircraft by minimizing the physical decline of the aircraft and engines throughout its life. Introduction to Maintenance, Repair and Overhaul of Aircraft, Engines and Components was written by the industry veteran, Shevantha K. Weerasekera, an aerospace engineer with 20+ years of aircraft maintenance experience, who currently leads the engineering team of a major technical enterprise in the field.

Technical Manual - Naval Air Systems Command 2018-10-19

Technical Order (TO) 1-1A-1 is one of a series of manuals prepared to assist personnel engaged in the general maintenance and repair of military aircraft. This manual covers general aircraft structural repair. This is a Joint-Service manual and some information may be directed at one branch of the service and not the other. Wherever the text of the manual refers to Air Force technical orders for supportive information, refer to the comparable Navy documents (see Table 1). The satisfactory performance of aircraft requires continuous attention to maintenance and repair to maintain aircraft structural integrity. Improper maintenance and repair techniques can pose an immediate and potential danger. The reliability of aircraft depends on the quality of the design, as well as the workmanship used in making the repairs. It is important that maintenance and repair operations be made according to the best available techniques to eliminate, or at least minimize, possible failures.

Aircraft System Maintenance - Avotek Information Resources 2004-01-01
Systems for aircraft technician approved schools. Hydraulic, cabin atmosphere, landing gear, instrument, comm & nav, position & warning, fire protection, fuel,, ice & rain, rigging & assembly, airframe inspection systems.

Owner Assisted Aircraft Maintenance - Daniel MacDonald 2011-07-21

From the back cover: Have you ever wanted to participate in your aircraft's maintenance, but were afraid to try? Are the rising costs of flying keeping you on the ground? This illustrated manual is written for mechanically inclined Part 91 pilot owner/operators that are ready to learn more about their airplanes. It describes common maintenance activities that are approved for pilots to perform by the FAA, along with a number of other projects that you might wish to complete under the supervision of a certified mechanic. The book focuses on common "legacy" single engine aluminum aircraft built from the 1940s through today. Whether changing your oil, installing new tires, or checking engine compression this 160 pages of text and photos provides procedures and tips gathered over the past 27 years.

Aircraft Maintenance - Bruce R Aubin 2004-04-30

Since the origin of flight, the main goal of aircraft maintenance has been to efficiently correct defects and prevent failures. From the original days of manned or unmanned flight, the individuals and their processes to repair, modify, maintain, and service the vehicles that were used to rise above the ground have largely been unsung. Aircraft Maintenance is a comprehensive executive-summary-style report written for business professions, engineers, mechanics, technicians, educators, and students that covers everything from history, evolution, evaluation and the future. Author Bruce R. Aubin examines and explains the processes and systems of aircraft maintenance that were developed to ensure the quality, viability, and safety of the people and machines committed to flight. Chapters cover: Aircraft Maintenance Organization and Structure Regulations and Environmental Effects on Maintenance Training Quality and Safety Planning and Scheduling Narrow- and Wide-body Aircraft and more

Reliability Based Aircraft Maintenance Optimization and Applications - He Ren 2017-03-19

Reliability Based Aircraft Maintenance Optimization and Applications presents flexible and cost-effective maintenance schedules for aircraft structures, particular in composite airframes. By applying an intelligent rating system, and the back-propagation network (BPN) method and FTA technique, a new approach was created to assist users in determining inspection intervals for new aircraft structures, especially in composite structures. This book also discusses the influence of Structure Health Monitoring (SHM) on scheduled maintenance. An integrated logic diagram establishes how to incorporate SHM into the current MSG-3 structural analysis that is based on four maintenance scenarios with gradual increasing maturity levels of SHM. The inspection intervals and the repair thresholds are adjusted according to different combinations of SHM tasks and scheduled maintenance. This book provides a practical means for aircraft manufacturers and operators to consider the feasibility of SHM by examining labor work reduction, structural reliability variation, and maintenance cost savings. Presents the first resource available on airframe maintenance optimization Includes the most advanced methods

and technologies of maintenance engineering analysis, including first application of composite structure maintenance engineering analysis integrated with SHM Provides the latest research results of composite structure maintenance and health monitoring systems

Aircraft Inspection and Repair - Federal Aviation Administration 2010-01-01

With every deadly airplane disaster or near-miss, it becomes more and more clear that proper inspection and repair of all aircraft is essential to safety in the air. When no manufacturer repair or maintenance instructions are available, the Federal Aviation Administration deems Aircraft Inspection and Repair the one-stop guide to all elements of maintenance: preventive, rebuilding, and alteration. With detailed information on structural inspection, protection, and repair, including aircraft systems, hardware, fuel and engines, and electrical systems, this comprehensive guide is designed to leave no vital question on inspection and repair unanswered. Sections include: • Wood, fabric, plastic, and metal structures • Testing of metals and repair procedures • Welding and brazing, including fire explosion and safety • Nondestructive inspection (NDI) • Application of magnetic particles • Common corrosive elements and corrosion proofing • Aircraft hardware, from nuts and bolts to washers and pins • Engines, fuel, exhaust, and propellers • Aircraft systems and components • Electrical systems This is a book that should be available to everyone who works on aircraft or is training to do so. The official FAA guide to maintenance methods, techniques, and practices—essential for all pilots and aircraft maintenance workers. 200 B&W 200 B&W

Aircraft maintenance specialist, tactical aircraft (AFSC 43151) - Philip F. Cordova 1979

Repairs of Aircraft Composite Structures - Marc Rössler 2015-05-26

This book deals with the structure and the repair of aircraft composite structures. The content of this book was conceptualized for training aircraft mechanics who conduct repairs of aircraft parts made of composites and train for the Swiss composite s-license. However, it is also aimed at anyone interested in this topic.

Leveraging Information Technology for Optimal Aircraft Maintenance, Repair and Overhaul (MRO) - Anant Sahay 2012-10-09

Aircraft maintenance, repair and overhaul (MRO) requires unique information technology to meet the challenges set by today's aviation industry. How do IT services relate to aircraft MRO, and how may IT be leveraged in the future? *Leveraging Information Technology for Optimal Aircraft Maintenance, Repair and Overhaul (MRO)* responds to these questions, and describes the background of current trends in the industry, where airlines are tending to retain aircraft longer on the one hand, and rapidly introducing new genres of aircraft such as the A380 and B787, on the other. This book provides industry professionals and students of aviation MRO with the necessary principles, approaches and tools to respond effectively and efficiently to the constant development of new technologies, both in general and within the aviation MRO profession. This book is designed as a primer on IT services for aircraft engineering professionals and a handbook for IT professionals servicing this niche industry, highlighting the unique information requirements for aviation MRO and delving into detailed aspects of information needs from within the industry. Provides practical and realistic solutions to real-world problems Presents a global perspective of the industry and its relationship with dynamic information technology Written by a highly knowledgeable and hands on practitioner in this niche field of Aircraft Maintenance

Manifesto - Mike Busch 2014-07-07

"There's a dirty little secret about aviation maintenance: it often breaks aircraft instead of fixing them." "Manifesto" is the much-anticipated first book from renowned aviation columnist and speaker Mike Busch. Written in typical no-nonsense style, it lays out the basis of Mike's "minimalist" maintenance philosophy for owner-flown general aviation aircraft. An owner who follows the book's guidance can save a small fortune on

maintenance costs and end up with a safer, more reliable aircraft. Owners are advised to perform the absolute least amount of maintenance required to make their aircraft safe, reliable and legal... and nothing more. The book explains in detail why engine and propeller TBOs and most other manufacturer-prescribed maintenance intervals should be disregarded. And "Manifesto" explains exactly how to do it. About the Author: Mike Busch is arguably the best-known A&P/IA in general aviation. In 2008, he was honored by the FAA as "National Aviation Maintenance Technician of the Year." Mike has been a prolific aviation writer for more than four decades. His "Savvy Aviator" columns have appeared in numerous publications including EAA Sport Aviation, AOPA's Opinion Leader's Blog, AVweb, and magazines for the three largest GA type clubs (ABS, CPA, and COPA). He is renowned for his free monthly maintenance webinars and his standing-room-only forums at EAA AirVenture Oshkosh. Mike has been a pilot and aircraft owner for 45 years with 7,500+ hours logged, and he is a CFIA/I/ME. He's founder and CEO of Savvy Aircraft Maintenance Management, Inc., the world's largest firm providing maintenance-management services for owner-flown aircraft.

Aircraft Maintenance and Repair - Michael J. Kroes 1993

This text is one of five that compose the Glencoe Aviation Technology Series. Like all of the titles in this series, this text provides coverage of practical skills while building a foundation for more advanced learning. It offers a thorough presentation of all aspects of aircraft maintenance and repair, including information on new materials, structures, systems, and processes. This edition includes all the theoretical and practical information that students need for certification as FAA airframe technicians in accordance with Federal Aviation Regulations (FAR). In preparing the Sixth Edition, the authors reviewed FAR Parts 65 and 147 and appropriate Advisory Circulars, as well as related Federal Aviation Regulations.