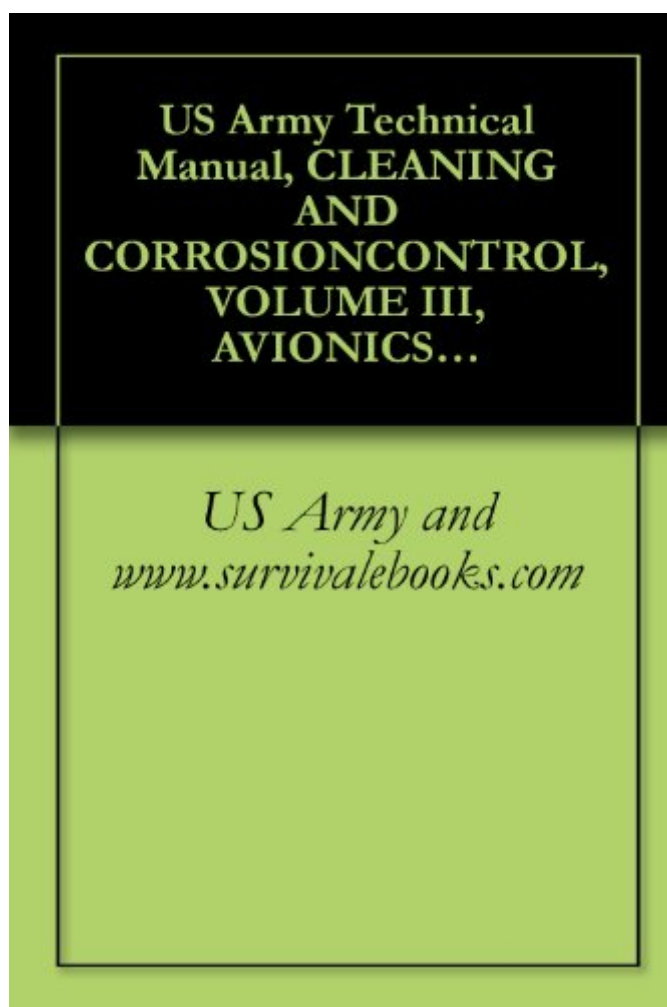




The book was found

US Army Technical Manual, CLEANING AND CORROSIONCONTROL, VOLUME III, AVIONICS AND ELECTRONICS, TM 1-1500-344-23-3, 2005





Synopsis

US Army Technical Manual, CLEANING AND CORROSION CONTROL, VOLUME III, AVIONICS AND ELECTRONICS, TM 1-1500-344-23-3, 2005 1-1. GENERAL. 1-1.1. Today's military avionic systems assume a significant share of the responsibility for mission completion, performance capability, and overall system safety. The role of avionics includes mission essential equipment, flight critical equipment, and aircraft hardware. For example, navigation, communications, electronic warfare, weapon management, flight/engine controls and displays, and wiring are all considered avionics. Electronics and electrical power systems are also considered avionics. The reliability of these complex systems in any environment is critical for aircraft flight and mission essential functions. NOTE In this manual, use of the term "avionic systems" shall refer to any device that uses electrical power. The term "avionic technician" shall include the aviation electrician, aviation electronic technician, or any personnel authorized to perform maintenance on avionic systems. 1-1.2. Corrosion is a major cause of avionic equipment failures, particularly while installed in military aircraft. In many cases, even minute amounts of corrosion can cause intermittent malfunction or complete failure of the equipment. Past experience shows that in order to obtain certain electrical characteristics, for example, low electromagnetic interference (EMI), a compromise in the design selection of materials might be needed (for example, the use of conductive adhesive). Sometimes such compromises can lead to corrosion problems that are aggravated by exposure to varying environmental conditions (for example, EMI corrosion). Avionic equipment is routinely exposed to varying environmental conditions. These conditions include changing temperatures and pressures, varying humidity, dust, dirt, and industrial pollutants in the atmosphere that often initiate corrosion. 1-1.3. The types of corrosion that occur on avionic equipment are similar to those found on airframe structures. The difference between avionic and airframe corrosion is that small amounts of corrosion in avionic equipment can cause intermittent malfunction or complete failure, while it may not impact airframe structures. 1-2. PURPOSE. The purpose of this manual is to provide information on materials and procedures to prevent, control, and repair corrosion damage to avionics on land or at sea. 1-3. SCOPE. The material in this manual contains basic avionic corrosion prevention and corrective maintenance information to be used at the Organizational/Unit and Intermediate levels.

Book Information

File Size: 2322 KB

Print Length: 221 pages

Simultaneous Device Usage: Unlimited

Publisher: US Army and www.survivalebooks.com (January 13, 2010)

Publication Date: January 13, 2010

Language: English

ASIN: B00347AC22

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #2,681,063 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #90

in [Kindle Store](#) > Engineering & Transportation > Engineering > Aerospace > Avionics #123

in [Kindle Store](#) > Kindle eBooks > Engineering & Transportation > Transportation > Aviation >

Repair & Maintenance #477 in [Kindle Store](#) > Engineering & Transportation > Transportation >

Aviation > Repair & Maintenance

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

US Army Technical Manual, CLEANING AND CORROSION CONTROL, VOLUME III, AVIONICS AND ELECTRONICS, TM 1-1500-344-23-3, 2005 Baking Soda Power! Frugal and Natural: Health, Cleaning, and Hygiene Secrets of Baking Soda (60+) - 2nd Edition! (DIY Household Hacks, Chemical-Free, Green Cleaning, Natural Cleaning, Non-Toxic) Cleaning: All Natural Homemade Cleaning Recipes: A DIY Cleaning Guide to Safe, Environmentally Friendly Money-Saving Recipes: Aromatherapy, Clean, Organization, ... Organizing, Declutter, Organizing Book 1) Speed Cleaning To A Healthier Life. Speed Cleaning Techniques And Tips: How To Properly and quickly Tidy a Unclean House In Minutes instead Of Hours Speed Cleaning: A Complete Beginner's Guidebook To Cleaning Indoors FAST And Make It Simple! Natural Solutions for Cleaning & Wellness: Health Remedies and Green Cleaning Solutions Without Toxins or Chemicals Green Cleaning with Vinegar: Vinegar Benefits, Cleaning Tips and Vinegar Uses The Window Cleaning Blueprint: How to Make \$500 a Day Cleaning Windows How to Start a Window Cleaning Business: The Window Cleaning Blueprint Cleaning Plain & Simple: A ready reference guide with hundreds of sparkling solutions to your everyday cleaning challenges US Army Technical Manual, ARMY DATA SHEETS FOR CARTRIDGES, CARTRIDGE ACTUATED DEVICES AND PROPELLANT ACTUATED DEVICES, FSC 1377, TM 43-0001-39, 1991 US Army Technical Manual, ARMY AMMUNITION

DATA SHEETS: MILITARY PYROTECHNICS, (FEDERAL SUPPLY CLASS 1370), TM 43-0001-37, 1994 US Army Technical Manual, ARMY AMMUNITION DATA SHEETS FOR ROCKETS, ROCKET SYSTEMS, ROCKET FUZES, ROCKET MOTORS, (FSC 1340), TM 43-0001-30, 1981 US Army Technical Manual, ARMY AMMUNITION DATA SHEETS FOR DEMOLITION MATERIALS, TM 43-0001-38, 1994 US Army Technical Manual, ARMY AMMUNITION DATA SHEETS, SMALL CALIBER AMMUNITION, FSC 1305, TM 43-0001-27, 1994 Avionics: Development and Implementation (The Avionics Handbook, Second Edition) Avionics: Elements, Software and Functions (The Avionics Handbook, Second Edition) Jane's Avionics 2007-2008 (Jane's Flight Avionics) Technical Manual, 18th edition (Technical Manual of the American Assoc of Blood Banks) US Army, Special Forces, Technical Manual, TM 9-1010-205-10, Operator's Manual GRENADE LAUNCHER 40-MM, M79, (1010-00-691-1382), 1992

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)