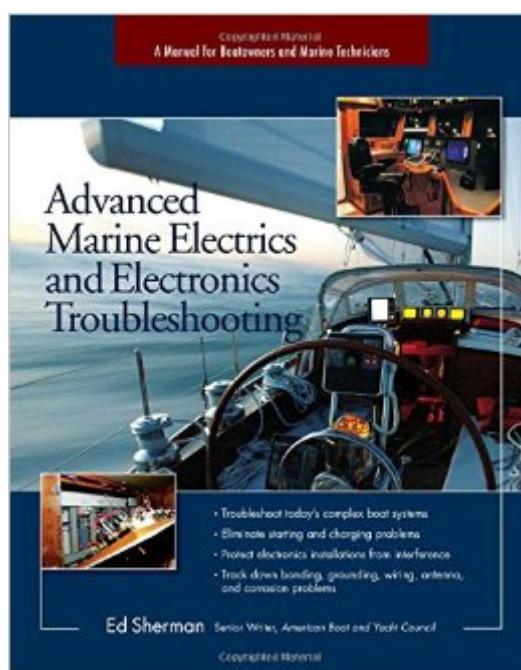# Advanced Marine Electrics And Electronics Troubleshooting: A Manual For Boatowners And Marine Technicians

Synopsis

SAVE TIME AND MONEY WITH THIS STATE-OF-THE-ART GUIDE TO THE LATEST, MOST ADVANCED DIAGNOSTIC EQUIPMENT AND TECHNIQUES â œEd Sherman is one of Americaâ ™s great teachers and communicators of marine technology.â •--Tim Murphy, Executive Editor, Cruising World Whether you are a marine electronics professional or a boatowner, Advanced Marine Electrics and Electronics Troubleshooting helps you understand the new, more powerful methods of troubleshooting marine electrical and electronic systems. A modern boatâ ™s sophisticated installations and networked electronics can stretch the traditional diagnostic methods based on trouble lights and multimeters past their useful limits. This book will show you how to: Use microprocessor-based diagnostic tools and techniques from the automotive and communications sectors, adapted for boats for the first time Diagnose the most difficult AC and DC problems Protect communications and navigation electronics from interference and lightning Seek out and eliminate stray-current sources and galvanic corrosion

Book Information

Hardcover: 192 pages

Publisher: International Marine/Ragged Mountain Press; 1 edition (May 8, 2007)

Language: English

ISBN-10: 0071461868

ISBN-13: 978-0071461863

Product Dimensions: 7.5 x 0.7 x 9.2 inches

Shipping Weight: 1.5 pounds

Average Customer Review: 4.1 out of 5 starsÂ Â See all reviewsÂ (12 customer reviews)

Best Sellers Rank: #1,331,741 in Books (See Top 100 in Books)   #172 inÂ Books > Engineering & Transportation > Transportation > Ships > Repair & Maintenance   #1290 inÂ Books > Sports & Outdoors > Outdoor Recreation > Boating   #3994 inÂ Books > Sports & Outdoors > Water Sports

Customer Reviews

I just got ABYC instructor Ed Sherman's new book on Advanced Marine Electronics "Advanced Marine Electrics and Electronics Troubleshooting", it's a Marine Electricians guide to new techniques (Like TDR), new tools and methods for the Marine Electrician. It's an adjunct to the powerboaters guide.BTW: TDR Time Domain Reflectometry (TDR) is based in conductor reflection timing (on a return pulse) which used in testing wiring and optical fiber.Minor Wants: More. I'd have liked a deeper Oscilloscope section and more engine electronics (J1939) stuff and NMEA2000.

Pictures are profuse and clear. I started reading the ASE Advanced Performance series in conjunction with this book and would have liked more of the engine electronics integration knowledge brought here. (Picoscope type stuff). Would also like selection criteria for quality electronics (e.g. explain NITS or candela and contrast levels for visibility, a better explanation on pulse width modulation and motor control where the terms are used in the text. Explaining the NMEA 2000 technical architecture deeper would be nice. The author states that it is an additional book for the ABYC electrician and electronics installer, but some basics on electronics would help. 200 pages is too short, but it's a great book.BTW: Pulse Width modulation (PWM) is a means of controlling a (DC) motor's speed by providing longer or shorter pulses (from a onboard systems microprocessor). More "On" time means faster speed. (Think flicking a fan switch on and off.)This book is a must get, yet I am only left wanting more. A 2nd edition would be have to get. I loved the ground loop explanation and the need for isolation on network systems on boats.

Advanced Marine Electrics and Electronics Troubleshooting: A Manual for Boatowners and Marine Technicians Boatowners Mechanical and Electrical Manual 4/E Sailboat Electrics Simplified MCITP Self-Paced Training Kit (Exam 70-623): Supporting and Troubleshooting Applications on a Windows Vista® Client for Consumer Support Technicians Windows 10 Troubleshooting: Windows 10 Manuals, Display Problems, Sound Problems, Drivers and Software: Windows 10 Troubleshooting: How to Fix Common Problems ... Tips and Tricks, Optimize Windows 10) Easy Thermostat Wiring & Troubleshooting Guide: Simple HVAC, Furnace, and Air Conditioning; Thermostat Wiring and Troubleshooting Guide for Homeowners (HelpItBroke.com - Easy HVAC Guides Book 3) Outboard Engines: Maintenance, Troubleshooting, and Repair, Second Edition: Maintenance, Troubleshooting, and Repair Troubleshooting & Repairing Consumer Electronics Without a Schematic Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) Digital Electronics: A Primer : Introductory Logic Circuit Design (Icp Primers in Electronics and Computer Science) All-in-One Electronics Guide: Your complete ultimate guide to understanding and utilizing electronics! Teach Yourself Electricity and Electronics, 5th Edition (Teach Yourself Electricity & Electronics) Marine Diesel Engines: Maintenance, Troubleshooting, and Repair Troubleshooting Marine Diesels Marine Electrical and Electronics Bible: Fully Updated, with New Information on Batteries, Charging Systems, Wiring, Lightning and Corrosion ... GMDSS,

GSP, Rada and Much More... Biophysics of Electron Transfer and Molecular Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) From Neural Networks and Biomolecular Engineering to Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) Model Railroad Electronics: Basic Concepts to Advanced Projects (Model Railroad Handbook) Clinical Anatomy and Physiology for Veterinary Technicians - Text and Laboratory Manual Package, 3e