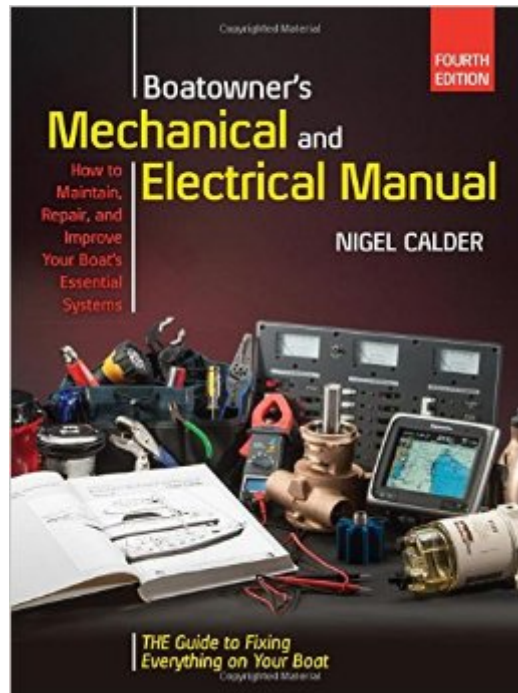


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# Boatowners Mechanical And Electrical Manual 4/E



## Synopsis

The maintenance bible for boatowners is fully updated and better than ever! If itâ™s on a boat and it has screws, wires, or moving parts, itâ™s covered in Boatownerâ™s Mechanical and Electrical Manual. When you leave the dock with this indispensable resource aboard, you have at your fingertips the best and most comprehensive advice on:

- Battery technologies, including recent developments in lead-acid and lithium-ion batteries and fuel cells
- 12- and 24-volt DC systems
- Electric and hybrid propulsion
- How to radically improve the energy efficiency of most boats
- Corrosion, bonding, and lightning protection
- Generators, inverters, battery chargers, wind and water generators, and solar power
- Electric motors and electric lights
- Marine electronics, including networking systems, antennas, and RFI
- Diesel engines
- Transmissions, shaft brakes, and propellers
- Refrigeration and air-conditioning
- Tanks, plumbing, and through-hulls
- Pumps and watermakers
- Steering, autopilots, and wind vanes
- Stoves and heaters
- Winches, windlasses, and bow thrusters
- Spars, rigging, and roller reefing

## Book Information

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## Customer Reviews

An updated version of the absolutely BEST boat systems maintenance book, bar none! All sections have been updated, but the electrical portion has been extensively revised. This alone makes the purchase of this new edition worth the cost. There is not another book that comes close to the depth covered in this book. (I have just finished a complete refit of my sailboat and I nearly wore out my copy of the previous version of the book because I referenced it so frequently.) I highly recommend this book for anyone who really wants to understand how to properly design, modify, maintain, or

repair the various systems on their boat.

Excellent update to the previous version. He is the most knowledgeable person I have ever read on fixing my boat. Even though I am not mechanical he gives me enough information that allows me to try to diagnose any problems, but most importantly enables me to see if the mechanics that come out to my boat know what they are talking about.

An amazing compendium of photos and descriptions of boat mechanical and electrical equipment. Extremely concise, up to date, well-written and easy to understand. This book belongs on each and every boat, at the very least as a reference work.

Own a boat? Thinking of buying a boat? Work on boats? Have a friend with a boat? Get this book! Remarkable easy to read and understand, plenty of diagrams, graphs, photos and real world examples of how, and how not, to do things. Updated sections covering recent advances in battery, solar, and inverter technology make this a must read for anyone ready to replace or repair your electrical equipment. I have been mucking about in boats for nearly 40 years, am a professional captain and own and maintain an 86' 40 year old steel pilot vessel as a charter operation and I am certified by ABYC as a marine electrical and corrosion technician and in my humble opinion, this is an excellent publication and at 944 full sized pages this book is worth 10 times the asking price.

I'll join the chorus and say that this new edition is the essential manual for anyone with a sailboat large enough to have mechanical and electrical systems. Lots of detail, well presented, and well illustrated. I looked at others, and this was the winner. Plenty of benefit for powerboats as well, but it is clearly tilted towards sail.

This is a must have reference for your boats library if you plan to cruise or own any boat, period. I purchased this book to replace/enhance the 3rd ed. that I own since it has loads of updated information, especially electrical and electronics

It's an OK book but really way to detailed for what I was hoping for, plus with the near onion skin pages I'd hate to try and use it in the shop or on a boat since the pages would rip very easily. Don Casey's "Sailboat Electrics Simplified" seems to fit what I was looking for better.

If you own a boat or are even thinking about owning a boat, then get this book. From what to look for in a boat's systems to how to fix them when they go wrong, this is the best resource.

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