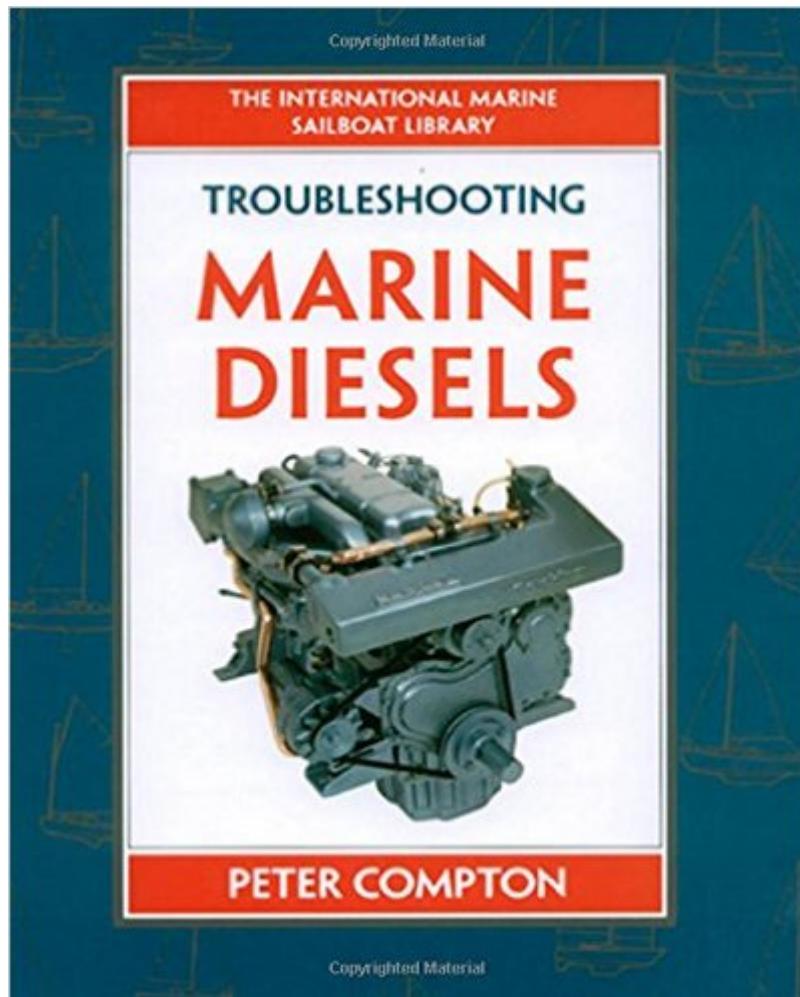


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# Troubleshooting Marine Diesels



## Synopsis

This densely illustrated, hands-on guide to diesel engine maintenance, troubleshooting, and repair renders its subject more user-friendly than ever before. Finally, boatowners who grew up with gas engines can set aside their fears about tinkering with diesels, which are safer and increasingly more prevalent. As in other volumes in the International Marine Sailboat Library, every step of every procedure is illustrated, so that users can work from the illustrations alone. The troubleshooting charts in the second chapter--probably the most comprehensive ever published--are followed by system-specific chapters, allowing readers to quickly diagnose problems, then turn to the chapter with solutions. Diesel engine systems covered include: mechanical; oil; fresh- and raw-water cooling; low- and high-pressure fuel; exhaust; starting; charging; transmission and stern gear.

## Book Information

Series: IM Sailboat Library

Hardcover: 176 pages

Publisher: International Marine/Ragged Mountain Press; 1 edition (September 22, 1997)

Language: English

ISBN-10: 0070123543

ISBN-13: 978-0070123540

Product Dimensions: 7.4 x 0.7 x 9.5 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ  See all reviewsÂ (37 customer reviews)

Best Sellers Rank: #292,699 in Books (See Top 100 in Books) #38 in Books > Engineering & Transportation > Transportation > Ships > Repair & Maintenance #310 in Books > Sports & Outdoors > Outdoor Recreation > Sailing #311 in Books > Sports & Outdoors > Outdoor Recreation > Boating

## Customer Reviews

Last Friday evening I gave your book to a friend as a gift. The next day we all went out on their boat to enjoy the Fleet Week festivities. About 1 mile offshore the engine just quit, no warning just quit running. The first thing we did was to drop the hook, the second was to get your book out. We went down the trouble shooting tree, checking each item and following the Yes-No flow. Well, 45 minutes later we had the engine running. The beauty of it was that without the book we would have NOT found the problem. (The problem was in the fuel return line) Without the book we would never had thought to check there for the problem. Needless to say my friends just LOVE your book.

When you are looking for a simple explanation to a complicated set of directions you usually ask a friend, not in this case, just look at the book. I found Peter Compton's book a very helpful and interesting guide to trouble shooting your way out of a frustrating situation. I am teaching marine engineers and running courses for weekend sailors and would have no hesitation in urging them to buy a copy for their book shelf. The diagrams are first class and I use the book as an example to my students. Well done Peter for giving me the tools to make the job easier.

After a quick review of this book you will realize that you do not have to be a mechanic to keep your diesel engine healthy. This book provides great assistance for dealing with the everyday operating requirements of your diesel engine. It is very comprehensive yet simple and informative at the same time. Excellent trouble shooting flow charts. Lots of very clear uncluttered "how-to" diagrams. Having owned and operated a marine diesel for 9 years I have become familiar with the everyday requirements of feeding and caring for my engine. This book addresses those requirements and helps me maintain my diesel so it will remain reliable for years. Kim Coleman

Ok- I think Nigel Calders book is better- but I like this book to. The writer has a good style. I particularly like the troubleshooting checklists, that are organized from most likely cause to least likely. Also has some good decision making flow charts. I think there is a lot of practical information here presented in an easy to read style. It is one of the two diesel books I always refer to. Would I buy again? YES

When you read this book you suddenly realize that diesel engines are extremely reasonable creatures that behave or misbehave for reasons that are usually very predictable. The main problem with owning a diesel engine is that you can pay a "diesel" mechanic a lot of money for him to find the cause of a problem, and then pay a lot more for to fix it. The whole process can be made a lot cheaper and quicker with this book as it explains, in simple English, how to troubleshoot your way from the symptom back to its most likely cause. So even if you don't intend to do any of the work yourself, Trouble Shooting Marine Diesels puts you on a reasonably equal information-footing with a mechanic and stops them exploiting your ignorance in order to pay for their children's college education.

I bought Compton's book based on an ad in [...], a rather heavy duty marine diesel oriented web

site. I already had Nigel Calder's marine diesel book and was somehow expecting more, but got less. Calder's book is more detailed and thorough. If you have Calder's, then you don't need Compton's. So, my advice is to get Calder's marine diesel book instead.

I didn't know anything about diesels before I bought my 41ft Morgan -but at \$50 an hour for a mechanic I thought I'd have a go. I bought this book because it claimed to cover maintenance and troubleshooting in depth but with easy to follow diagrams. My first job was to solve an annoying smoky exhaust. The local mechanic suggested I needed to replace my aging Perkins and was quoting over \$10,000, but after following Compton's excellent troubleshooting chapter I quickly narrowed it down to defective injectors nozzles which I had a shop replace for less than \$200 !!! . I've since rebuilt the raw water pump, cleaned the heat exchanger and cooling system, and next I'm going to tackle installing the charge booster to improve output on my alternator. Compton's book is great! It specializes in the topic is well laid out and with all those graphics is very easy to follow. What's more it doesn't get sidetracked into stuff that's no use to me when I'm trying to get my boat going! A great do-it-yourself book that I can truly recommend to any and everyone who's got a diesel engine in their boat.

When you are looking for a simple explanation to a complicated set of directions you usually ask a friend, not in this case, just look at the book. I found Peter Compton's book a very helpful and interesting guide to trouble shooting your way out of a frustrating situation. I am teaching marine engineers and running courses for weekend sailors and would have no hesitation in urging them to buy a copy for their book shelf. The diagrams are first class and I use the book as an example to my students. Well done Peter for giving me the tools to make the job easier.

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