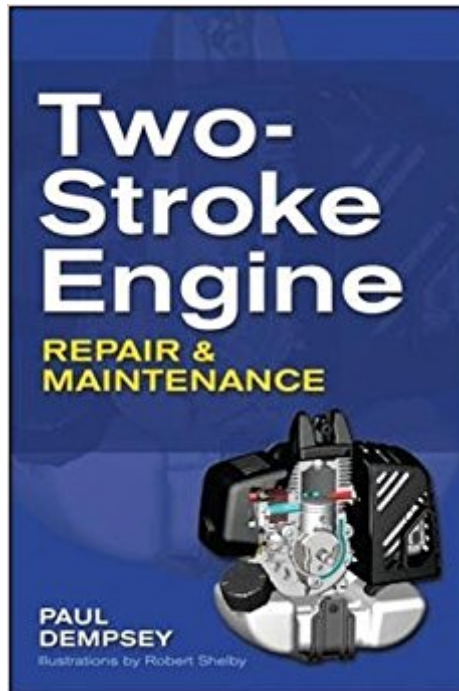




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# Two-Stroke Engine Repair And Maintenance



## Synopsis

Get Peak Performance from Two-Stroke Engines Do you spend more time trying to start your weed trimmer than you do enjoying your backyard? With this how-to guide, you can win the battle with the temperamental two-stroke engine. Written by long-time mechanic and bestselling author Paul Dempsey, *Two-Stroke Engine Repair & Maintenance* shows you how to fix the engines that power garden equipment, construction tools, portable pumps, mopeds, generators, trolling motors, and more. Detailed drawings, schematics, and photographs along with step-by-step instructions make it easy to get the job done quickly. Save time and money when you learn how to:

- Troubleshoot the engine to determine the source of the problem
- Repair magnetos and solid-state systems--both analog and digital ignition modules
- Adjust and repair float-type, diaphragm, and variable venturi carburetors
- Fabricate a crankcase pressure tester
- Fix rewind starters of all types
- Overhaul engines--replace crankshaft seals, main bearings, pistons, and rings
- Work with centrifugal clutches, V-belts, chains, and torque converters

## Book Information

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## Customer Reviews

Paul Dempsey is a Master Mechanic, and former editor of *World Oil* magazine. He is the author of more than 20 technical books, including *Small Engine Repair*, *How to Repair Briggs & Stratton Engines*, and *Troubleshooting and Repairing Diesel Engines*.

While I'm only a software engineer, I am also relatively mechanically inclined and wanted to wrap my mind around basic maintenance for my 2 stroke equipment (i.e. trimmer, chain saw, mantis tiller, etc.). After reading this book twice, I walked away with much more than basic 2 stroke maintenance abilities. I would now feel comfortable tackling all but the most complicated of repairs on my 2 stroke equipment. The author, Mr. Dempsey, definitely brings the nature of 2 stroke engines, the technical details and terminology, and much more all within reach for those inclined to work on equipment. While making things like the kinds of tools or techniques a professional would use to diagnose and handle many repairs understandable for laymen, the author also provides a myriad of tips and tricks for identifying, diagnosing, and in some cases actually carrying out an effective repair without spending hundreds of dollars on a tool that you may use once in a lifetime (and he at least makes it clear, while still instructing on how you could do the complicated repair yourself, that there are some things you likely want to take to a professional, as they'll already have the expensive tools or in-depth knowledge necessary to more realistically handle that issue). Long story short, this book is so good, so readable, and so applicable that in the short time I've had this book I've been able to read it twice, and successfully execute basic maintenance and repairs on my own 2 stroke equipment. Kudos to Mr. Dempsey on writing such a useful book!

Excellent book. Very well written and well presented. I'm a mechanical engineer and have a lot of experience with design and theory as well as maintenance of all kinds of machinery. I can understand that some readers may not be able to follow the theory but if you are fixing a machine those sections can easily be ignored. I have a lot of experience in rebuilding all kinds of four-cycle engines but sometimes two-cycle engines can be very puzzling. I learned a lot from this book...a very good buy. A good reference.

I had to order this book for one of my class at Richland community college in Decatur illinois.

The Two-Stroke Engine book seems fairly comprehensive and has discussion of the engines and their operation. It has many photos and diagrams and goes over each system in the engine along with repair and trouble shooting information. Some things are perhaps out of scope for the casual home repair person, but others are pertinent. I haven't torn down any of my engines yet (weedwhacker and blower), but expect to do so soon to stop paying the repair shop. After perusing it I would rate the book highly.

Good publication of the basics of various 2-stroke small engines of various types... It covers the importance of proper sealing, lubrication, adjustments, troubleshooting procedures. It also tells of: causes, symptoms & common problems of various 2-stroke engines, properly repairing the common problems and preventive maintenance... Worth every Penny I spent on this book...

I bought a non-running Wacker very cheap and needed to sort out the 2 stroke motor. I bought and carefully read this book and was then able to strip and rebuild the carb successfully. It didn't start immediately but by reviewing the excellent theory diagrams and text I could work out that I had accidentally swapped two hoses. Put it right and the motor started! Without reading this book there is no way I would have got the engine going. Clear descriptions of the underlying theory, with many clear drawings. The book is not specific to one particular product so I was able to adapt to the carb I was working on. Highly recommended.

Learned What i needed. Some tools mentioned are no longer on . I think it Is a book to keep around and reference when you have trouble because you can't learn it all by reading... you have to do.

I got this for my husband. He was trying to learn how to fix all the little engine stuff around here (weed eaters, mowers, chainsaws) as well as the bigger things (tractor, truck, car). He said it helped a lot. That it had a lot of good information in it. He has been able to do the fixing on a few items so I guess it did.

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