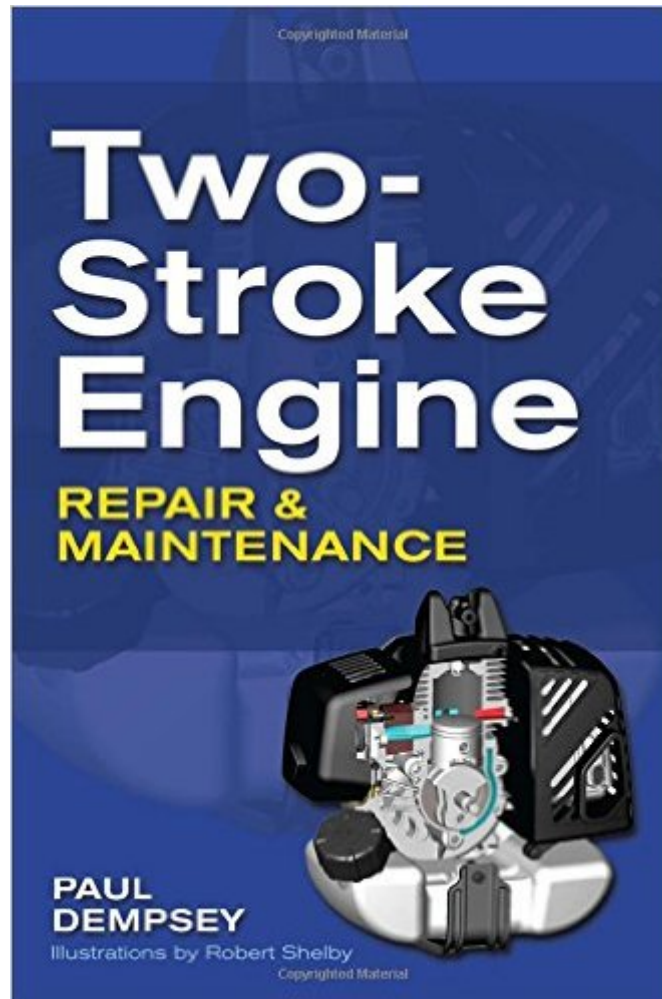


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# Two-Stroke Engine Repair And Maintenance



## 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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Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (94 customer reviews)

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## Customer Reviews

This book is the ideal solution for those that are mechanically inclined and like to fix their own tools. The book is written very plain and simple language with excellent picture examples. I fix small engines but have always been befuddled by the two stroke engines. I have never fussed so much about fixing the things before, but this book breaks down the information with practical knowledge

as well as theory on the operation of the engines. The book is well worth the money.

The reason I say read all the reviews is so that you will discover that if you have absolutely no background with engine theory or repair, and you have never so much as replaced a spark plug in your life, you will probably find this book a bit more complicated if your trying to fix your weed whacker in two minutes. With guidance, sure you probably can muddle through areas that are applicable to you, but without basic operational theory, you will probably be looking up a lot of terminology and asking for assistance. If you have no experience what so ever, this book probably will be frustrating. If you have some background in combustion engine operation, you should be able to use this book and learn from it. I've read a few reviews that said the photos were of low quality, and not very helpful. Again, one reason some folks feel this way is that they may not know what they are looking at. The other reason is that it may be parts or assemblies from a different brands other than what they need help with. All in all, I think it's a good book to keep on your bench for that weekend tinkerer that has done some work on gas engines and understands basic theory of the same.

Several of my two stroke engine machines are so old that the local repair places would not try to fix them. I purchased TSERM, read it and first tackled a Mantis tiller that did not like to start. Following the book I replaced the plug, cleaned the carburetor and tested the ignition coil. To accomplish those tasks I purchased a spark plug gap gauge, a compression gauge, and ignition tester. Mechanically everything on the Mantis looked OK, it just would not start. The problem seemed to be the ignition coil. I bought a new coil from Mantis to replace the existing coil. Three pulls on the starter cord and presto everything worked. I adjusted the carburetor and tilled the garden. Next came the McCullough Titan TD-3000 weed whacker. Again I followed the book and came the same conclusion. It needed a new coil. I had to do some searching to find a supplier. The new coil arrived and was placed in the weed whacker. Third pull and it was off and running. I have no complaints about the book. Follow the book and you can kiss the repair shops good-bye

Covers small engines in great detail, a lot of background information for the novice. Highly recommended!

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.

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!

This e-book is well-written and a pleasure to read. It's not over my head as a beginner, but it's close. Still, it was enlightening. One problem is that the Table of Contents is not properly coded from the book's index page; I have to go to another set point in the book, and swipe repeatedly to get to it. I eventually just bookmarked it, but it's a minor inconvenience.

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