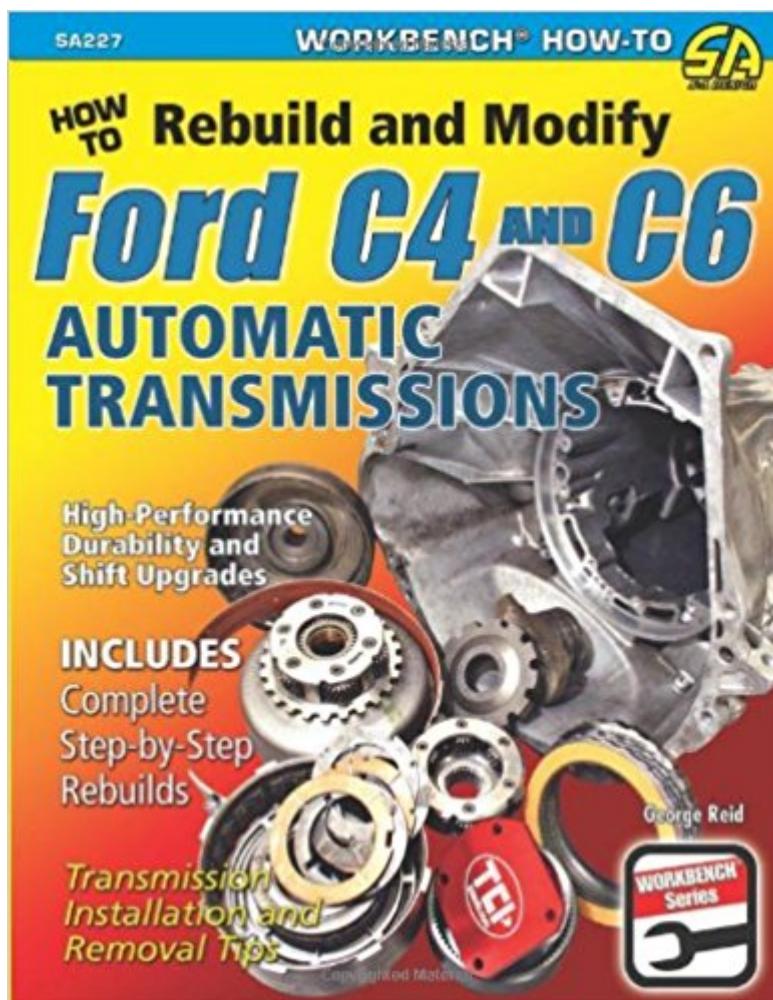


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# How To Rebuild & Modify Ford C4 & C6 Automatic Transmissions (Workbench)



## Synopsis

The Ford C4 and C6 automatic transmissions have been equipped in millions of production rear-wheel drive cars and trucks since they were introduced in the 1960s (C4 in 1964, C6 in 1966). They remained in production deep into the 1980s, when overdrive-equipped transmissions finally eclipsed them. However, the C4 and C6 remain incredibly popular with enthusiasts, racers, and restorers alike due to their simplicity, strength, and low cost. Rebuilding either of these transmissions isn't overly difficult, but does require care, some specialized tools, and proper procedure to be followed closely. In *How to Rebuild and Modify Ford C4 and C6 Automatic Transmissions*, author George Reid walks readers through the process step-by-step, from removing the transmission from the vehicle, to complete disassembly and cleaning, to careful reassembly, to proper re-installation and road testing. In addition, if the transmission will be used in a high-performance or competition situation, the author includes the various steps required to bolster the unit's strength, using commonly available aftermarket components. Each chapter contains special notes, sidebars, and technical tips to assist the reader at every step in the process. Some refer to safety, others to time-saving advice, and others to small modifications that may aid long-term durability or help the builder tailor the shift firmness. The author's extensive research and experience with these popular transmissions has resulted in a well-rounded full-color technical guide to their revitalization.

## Book Information

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## Customer Reviews

"Author George Reid walks readers through the process step-by-step, from removing the transmission from the vehicle, to complete disassembly and cleaning, to careful reassembly, to proper re-installation and road testing. Additionally, if the transmission will be used in a high-performance or competition situation, the author includes the various steps required to bolster the unit's strength, using commonly available aftermarket components." (Australian Street Rodding 2013-01-09)"The author shines light on the tools and techniques you'll need to take apart and rebuild the many variants of these complex transmissions successfully, offering clean instructions and lots of helpful photographs. It's an inexpensive and smart investment if you're considering this task." (Hemmings Classic Car 2013-01-18)"...just the kind of book we've come to expect from Mr. Reid... informative, practical, and easy to read." (Round Up 2013-12-17)

Automatic transmissions aren't the easiest components to understand and service, but vintage Ford C4 and C6 3-speeds are among the simplest automatics ever designed. These Ford transmissions can be torn apart and rebuilt in your home garage or workshop using common hand tools. Very few specialized tools are required. This book reviews the long production life of both the C4 and C6 transmissions, and includes the various production changes you need to be aware of while building yours. Of these two popular Ford automatic transmissions, the C4 encompassed the most changes ranging from input shaft and forward clutch size to main case revisions, which means you will want to arm yourself with detailed information in order to build the best C4 possible, with the best sources for parts and accessories for these classic automatics. Because the larger, heavy-duty C6 transmission is the most rugged and dependable 3-speed automatic transmission Ford has ever produced, you can build even more durability and efficiency into yours. If high performance is your goal, advice, tips, and tricks are included to strengthen and fine-tune the capabilities of both the C4 and C6.

The book is great at covering technical and performance issues relating to C6 build, and steps you through a build. This book is NOT a substitute for an actual rebuild manual, covering the exact sequence of dis-assembly and assembly(I highly recommend the Haynes "Ford Automatic Transmission Overhaul" manual). I was hoping for more info about DIY mods and E4OD parts updates(interchange data for low gear set and fully rollerized pieces from late E4OD), but the book stuck to off the shelf, aftermarket parts. Lots of good pics of transmissions going together. Someone rebuilding a Ford automatic transmission would be well advised to consult brown shoe productions,

for excellent website support. I rebuilt my C6 behind my diesel and it runs great! You can do it too!

The book has nice, large color photographs, with great captions, on slick glossy pages, but lacks any real 'meat' to modification details. Would have been nice to have info about kits, parts, and/or modifications to components at different horsepower levels, and what aftermarket parts are required when. Great sections covering various factory valvebodies and intermediate servos; good for reference. The reader may not be able to rebuild a C4/C6 by referring to this book by itself, but makes a great companion to the Haynes and ATSG manuals (you can never have too many reference sources!). A decent book at a fair price, and will find a good home adjacent to my other C4 information...

Overall pretty good manual. Some of the illustrations are hard to see in detail. I'll have a more in depth idea once I tear down and rebuild my C6!

This is a superb step-by-step manual that will allow even the most inexperienced shade tree mechanic to tear down a C4 or C6, repair and replace worn parts, and (most importantly) put it back together again. Large glossy prints, easy to follow procedures, common sense directives and tips on modifications. I had worked on several C4's years ago, but needed something to guide me with a recent rebuild. Wish I would have had this book back then. I would recommend this to someone new to mechanics or to the experienced enthusiast.

Very good book, love the layout of it and the in depth pictures and description of building and modifying the transmissions. I went from not knowing at all how to rebuild one to being confident enough to do three c4s already, and with the help of this book they have worked flawlessly! He also explains how to beef up transmission weak points and install a shift kit.

book does the job, answered my question

Great step by step instructions. This book suggests proper tools, has great pictures for a first timers and talks in simple terms. I cant wait to get started.

Was much more detailed for a c4 build than c6. Still ended up doing most of my research on Google, waste of 20 bucks in my case

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