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

By George Reid



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## How to Rebuild & Modify Ford C4 & C6 Automatic Transmissions (Workbench) By George Reid

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.



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### **Editorial Review**

#### **Review**

"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)

#### **From the Back Cover**

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.

#### **About the Author**

George Reid has been a Ford enthusiast for more than 30 years. He enjoys restoring and building Fords. George has written a number of books for CarTech.

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