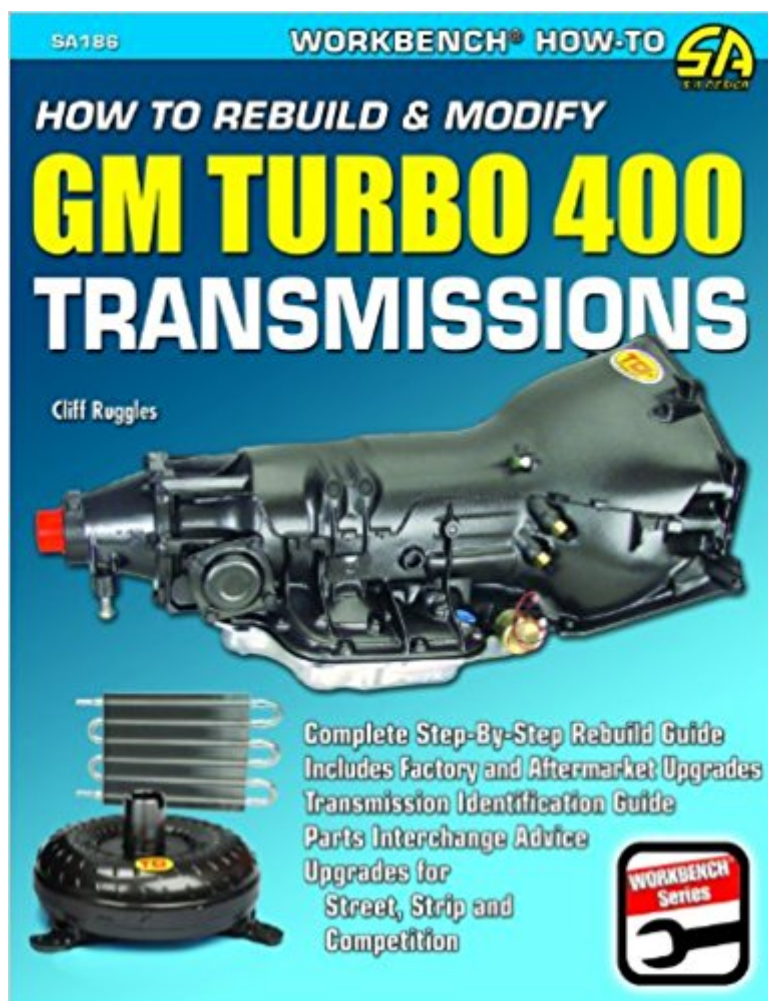


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# How To Rebuild & Modify GM Turbo 400 Transmissions (S-A Design Workbench Series)



## Synopsis

Over the last 50 years, literally millions of GM cars and trucks have been built with Turbo 400 automatic transmissions. While these transmissions are respected for their durability and versatility, there always comes a point where the old transmission shows signs of wear. At some point, even the best transmissions need to be rebuilt. Respected automotive technical author Cliff Ruggles takes readers through the complex rebuild procedure of GM's most popular rear-wheel drive automatic transmission in this great new book. Enthusiasts have embraced the reliable GM Turbo Hydra-Matic 400 three-speed automatics for years, and the popularity of these transmissions is not slowing down. With his proven style, Ruggles walks through the step-by-step rebuild and performance upgrade procedures in a series of full-color photos for each of these models. Time saving tips are part of every buildup. This is a welcome addition to your automotive library. Amateurs and professionals alike will appreciate the advice and guidance offered on every page. Even if you end up deciding to have a professional take care of your transmission repair and performance needs, this information is crucial to understanding how the power gets from the engine to the road.

## Book Information

Series: S-A Design Workbench Series

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Average Customer Review: 4.6 out of 5 stars 61 customer reviews

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## Customer Reviews

The GM Turbo Hydra-Matic 400 transmission was used in millions of full- and mid-size cars, trucks, and SUVs since its launch in 1964. The Turbo 400 became the automatic transmission of choice for enthusiasts everywhere due to its durability and simplicity. The Turbo 400 can easily handle work in

a drag car, off-road truck, hot rod or custom car, and any vehicle needing a durable, reliable automatic transmission. It does not rely upon computer controls, and can be adapted to a wide range of configurations. Rebuilding the Turbo 400 is not particularly difficult, but it does require care and specific attention to details. The procedure and these critical details are all reviewed in depth between the covers of *How to Rebuild & Modify GM Turbo 400 Transmissions*. This book includes removal of the transmission from a typical vehicle, complete teardown, and step-by-step reassembly. Some tips and advice for those planning to use their Turbo 400s in high-performance applications are also included.

Cliff Ruggles has more than 20 years' experience in custom building transmissions. He owns his own business, Cliff's High Performance, which specializes in building high-performance engines, transmission, and carburetors. Cliff has built/ owned/ raced at least half a dozen cars over the years.

Information contained is, somewhat, superficial despite the good quality pictures. Detailed explanation is not there and, strangely, it provides no fastener torque specs except in 2 instances. NOT RECOMMENDED FOR A NOVICE MECHANIC.

Built the motor in my 89 Suburban then blew my transmission. Made the job go from like trying to land a falling Boeing to riding a Big Wheel. Lots of very high quality pictures and very detailed. Recommend it to anybody, even if you never plan on tearin' into a TH400.

I used this for my first 400 rebuild, all said and done I have a working transmission. It's really a basic guide, I could have used a more comprehensive manual. There is a lot of good information in there and I'd recommend it to anyone overhauling a 400.

Great book. Good source of info for the THM400.

Outstanding service and speedy as well. Manual very knowledgeable and recommended, however only gives suggested measurements and is missing quite a few upgrades available for the transmission that certain other manuals have. Another great note that it has big clear colorful pictures.

This is a good rebuild book, but if you are rebuilding for the first time, this is only half of the books

you should get. You should also get the ATSG book. The ATSG book has better text and drawings, the ruggles book has better pictures.

Really covers many areas in a tranny

Great book with newer 'tips'.

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