



## GM Automatic Overdrive Transmission

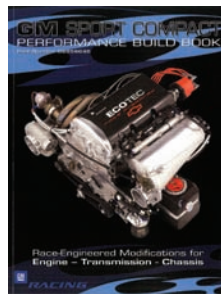
By Cliff Ruggles

Covers GM 700-R4, 4L60 + 4L60-E transmissions, model I.D., history and evolution guide, factory and aftermarket upgrades plus parts inter-change advice.

Chapters one through seven cover the history of GM automatic transmissions. Then you get started with rebuilding, shift kits, torque converters, transmission removal, installation and, my favorite, swapper's guide.

You will have to make your own worksheet as this book is not a "workbench" series. Just as you should be doing with your engines, you should write down entire transmission specs as you check them during assembly. It is good to have a record of the part numbers you used for each rebuild so if there ever is a problem with a part failure you can go to your records and see which part was used.

• **Suggestion:** How many times have you or a customer had a problem with the transmission shop? Engine builders should take a look at transmissions and spend some time working on them because you can build transmissions too! All you need to do is get in there and start working on them. Shops rebuilding engines and transmissions will have twice the opportunity to make money and service the customer. Maybe the customer only needs transmission work today, but when it's time for engine work, who do you think they will remember first? (Printed in 2008 by S/A Design their part # SA140. ISBN ID #13-978-1-932494-50-1.)



## GM Sport Compact Performance Build Book

By General Motors

Performance build book covers the GM ECOTEC 4 cylinder DOHC engines of two different displacements 2.2L L61 and 2.0L LSJ in five different power levels 250, 400, 600, 1000 and 1400 plus transmission and chassis modifications.

Information covered in the book includes: L61 and LSJ parts list, engine assembly stock to 250 hp, supercharger parts list, engine assembly from 250 to 400 hp, stock to 400 hp parts list, engine assembly 400 to 600 hp and parts list, engine assembly 600 hp to 1000 hp and parts list, control systems, torque specifications, 4T65 racing transmission components, 4T65E performance transmission parts, Cobalt Phases and parts list, Cobalt Grand Am Cup (ST Class) racing series, Cobalt racing body components and suppliers.

• **Suggestion:** This is a first class job. I have to commend GM for adding the supplier list in the back of the book. They listed the suppliers used and also the suppliers' current phone number at the date of printing, their website address and what component was used from the supplier. The pictures inside are very good quality. (Printed in 2006 by GM their part #88958646. ISBN ID #13-978-1-932494-72-3.)

**WHERE TO BUY** • SA books are available online: [www.carttechbooks.com](http://www.carttechbooks.com)  
 • GM books are available online at [www.gmperformanceparts.com](http://www.gmperformanceparts.com) or any GM dealer.



## How to Rebuild Any Automotive Engine

By Barry Kluczyk

This book covers rebuilding of many different automotive engines in different and varying stages of completion with very good, sharp photos. The photos were taken in the shop on different days, so you get the feel for what goes on weekly in a shop.

This "workbench" series book covers preparation and tools, engine removal, engine disassembly and inspection, machine work and cleanup, short block assembly, final engine assembly, installation, startup tuning and break-in, remanufactured engines, crate engine and performance upgrades. Last but not least, it contains a "worksheet" to document your entire engine specs as you check them during assembly. It is nice to have a record like this because sooner than you think, you will forget a few of the specifications. Writing it down will save you time, that means money in your pocket.

• **Suggestion:** Perfect for the first time DIY or a garage where they R&R engines. Aimed at engine rebuilding, but it also has garage removal and replacement. This is vital information for the machine shop, be it one person or a crew of people. It covers a pet peeve in most shops when heads or engines come in with all the sensors in place. We all know that someone has to pay for the time it takes to remove them. Tell the customer up front they have to pay the garage or you to R&R the sensors. Also, don't forget to tell the customer a sensor might break just because they are as old as the engine. (Printed in 2008 by S/A Design their part #SA151. ISBN ID #13-978-1-932494-72-3.)