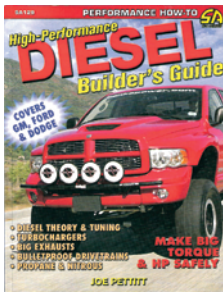


## ON THE SAME PAGE

BY MIKE CARUSO



### High-Performance Diesel Builders Guide

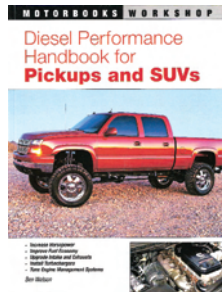
By Joe Pettitt

Diesel theory, intro to diesel performance, induction and combustion, turbocharger, fuel system, exhaust system and driveline. Very cool advice from around the diesel HP industry including GM diesel engines 1982-2000 6.2L and 6.5L turbo diesel, 2001-2004 Duramax LB7, 2004-2006 Duramax LLY, 2006-MID 2007 Duramax LBZ and MID 2007 UP Duramax LMM, Ford / Navistar diesel engines 1983-1994 6.9L + 7.3L IDI, 1994-2003 7.3L Power Stroke, 2003-2006 6.0L Power Stroke, 2008 6.4L and Dodge / Cummins diesel engine 1989-1993 first gen, 1994-1998 2ND gen, 1998.5-2002 ISB upgrade and 2003-2007 common rail.

Subjects include thermodynamics, work done during volume change, the diesel power stroke; Gale Banks on mass flow, defining limits, combustion basics, electronic engine controls, factory derating tactics, tuning the airflow path, volumetric efficiency, laminar flow, swirl and flow. Gale Banks again on airflow and combustion, porting for swirl and flow, camshafts and valve train, heat and adiabatic efficiency, estimate mass flow at torque peak, blow-off and by-pass valves, compressor maps, turbo housing aspect ratio, diesel fuel, contamination, biodiesel, Cetane Number, injection systems, talking fuel injection with Bosch — and more!

• **Suggestion:** Until the printing of this book, information on how to build a high performance diesel engine was word of mouth and on the web. Now there are companies out there offering just about anything you can think of to increase power or mileage for the diesels. Enjoy this hardcore diesel builder's book — it is very well presented. (Printed in 2008 by SA Design, their part #129. ISBN #978-1-932494-34-0)

• **Where to Buy:** [www.carttechbooks.com](http://www.carttechbooks.com)



### Diesel Performance Handbook for Pickups and SUVs

By Ben Watson

Information on how to increase horsepower, improve fuel economy, intake and exhaust upgrades, installing turbochargers and engine management tuning systems. Great information showing and explaining what you need to choose for different applications.

This book covers the basics of the diesel engine, injection systems, engine families, electronics and the diesel engine, turbochargers single upgrade, twin, multistage sequential, multistage two-stage controlled. There is really good information on transmission upgrades to hold all the torque that you can make with your diesel, diagnostics, supplement brakes, gauges, displays, monitoring devices, bolt on power, programming power reflashing the computers chip, fuel delivery covering injectors and pumps. Engine built in power such as cylinder head porting, camshaft and head gasket information, diagnostic trouble codes. There is some information on the Audi R10 diesel powered Le-Mans race car, diesel powered dragster, Bonneville trucks to diesel drag race pickups.

• **Suggestion:** This is a good book for understanding the diesel engine and control system used on your pickup and SUV. Reading this book has opened my eyes to a number of important items that I have taken for granted in regard to the diesel engine and its systems. Whether you have been working on or rebuilding diesels over the years — or you would like a better understanding about how, what and why to modify your diesel, this is a good book for you. (Printed in 2008 by Motorbooks.com. ISBN #978-0-7603-2897-2)

• **Where to Buy:** [www.motorbooks.com](http://www.motorbooks.com)



### How to Rebuild 4.6-5.4L Ford Engines

By George Reid

This is a “workbench book” and the chapters are as follows: before you begin, disassembly, selecting parts, machine shop, engine assembly, break-in and tuning, high-performance parts guide, engine math, workbench reference charts and a source guide. Included are 450 step-by-step photos. It has an easy to put your hands on great explanation of Windsor and Romeo component differences. This book can be a lifesaver when looking to match up cores.

• **Suggestion:** Very nicely done, hands-on book which brings you up-to speed on these two engines. It has “do’s and don’ts” plus many step-by-step instructions listed alongside the photos. This book would be the one I would like to have on-hand in the shop if I was working on these engines as I could refer to it often. It is down to earth and straight-forward — gives you what you need to know when thinking about the best bang for the dollar spent. It is especially good to know what factory castings are good for what application. (Printed in 2009 by SA design their part #155. ISBN #13-978-1-932494-80-8)

• **Where to Buy:** [www.carttechbooks.com](http://www.carttechbooks.com)