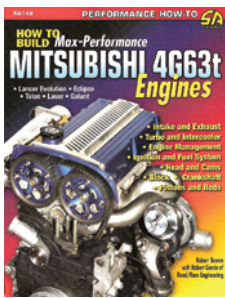


BY MIKE CARUSO



How to Build Max-Performance Mitsubishi 4G63t Engines

By Robert Bowen

This book is the first one ever to focus on the 4G63T family. Every system and component of the engine, including the Turbo charging systems, are covered. It also includes engine management, stroker kits, head work and assembly tips.

More than a collection of tips and tricks, this book contains a complete history of the engines and their evolution, an identification guide and advice for choosing the correct engine and other components. It also has profiles of successful engine build ups, along with the all important “what not to do” suggestions. Whether you need to build a stock 200-300 HP or a racing 1000 HP engine, this book will send you in the correct direction. It also explains how to add-on piggy back controls or modify the car’s ECM to get the correct air/fuel ratio and ignition timing during boost conditions for Off Highway applications.

Author Robert Bowen is a frequent contributor to Grassroots Motorsports and other publications in the USA and UK. Bowen is also a member of the Motor Press Guild and has rebuilt and restored dozens of cars and motorcycles. He presents us with this wonderful book with the detailed information from Robert Garcia of Road Race Engineering.

• **Suggestion:** Until the printing of this book, information on how to build a high-performance Mitsubishi 4G63T engine was only on the web. Offline sources of 4G63T information were very hard to find. Enjoy this book as it is very well presented. (Printed in 2008 by SA Design, their part #148. ISBN ID# 978-1-932494-62-4)

• **Where to Buy:** www.carttechbooks.com



Championship Engine Assembly

By Reher-Morrison
Racing Engines

This one updated book and two audio CD set is based on the Big Block Chevrolet racing engine and contains more information than both of the old lower and upper assembly books. It is the best book on the BBC racing engine that I have seen to date. This is a classroom-style book with questions at the end of each chapter, to make sure that you understand what you just read. Along the way, they have inserted “Rule” and “BS” which separates truth from non-truth.

The book covers the principles of race engine operation. The upper engine section covers building horsepower, camshafts, valve train, selecting heads and valves, carburetors, intake manifolds and headers, special machine work, racing ignitions and how to assemble your engine. The lower assembly section covers selecting blocks, crankshafts, connecting rods, measurements and special machine work, pistons, rings, pins, bearings, measuring displacement and compression ratio, degreasing the camshaft, wet and dry oil systems and how to assemble your short block. This highly technical information is provided for racing engines which are being used off-highway only.

Audio CD 1 features “Porting By The Numbers” interview with Darin Morgan and Audio CD 2 features “Bottom End Performance” interview with Brad Morgan.

• **Suggestion:** Remember the technical information provided in this book can be applied to other engines, so they are useful even if you’re not building a BBC engine. This book and CD set will be treasured by you, or buy them for someone special as a gift that they will not soon forget.

• **Where to Buy:** www.speedtalk.com



How to Rebuild the Big Block Chevrolet

By Tony E. Huntimer

New as of 2009, this book uses easy-to-follow disassembly instructions, along with step-by-step assembly procedures and photos. It also features a high-performance parts section which covers what to choose for your different applications, as well as a very important (See AERA TB 1935) start-up and break-in section. This is critical information for you to know! There is a history review of the BBC engine family and changes it has gone through over the years since 1964-5. It also has the tools required for work to be performed, safety tips for engine removal, disposing of liquids, disassembly and inspection of the engine, selecting parts, pre-machine shop planning, cleaning of engine and parts, pre-assembly, step by step final assembly and the all important startup. Tony has done a very nice job with over 500 great photos which are just what you need when working with engines. His photos and text — along with you writing down specifications and notes for yourself — will really help you understand and retain this information.

• **Suggestion:** There are a number of people out there that could benefit greatly from having this book at their fingertips. Even if your shop has been rebuilding them over the years, this is the book to have on hand for a new person to read. New and young people may never have had the chance to work on a BBC. Great book for a family project where everyone can pitch in following the steps laid out by Tony Huntimer. (Printed in 2009 by SA Design, their part #142; ISBN ID# 978-1-932494-53-2)

• **Where to Buy:** www.carttechbooks.com