



## How to Build Max-Performance Mitsubishi 4G63t Engines (S-A Design) (Performance How-To)

By Robert Bowen

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### How to Build Max-Performance Mitsubishi 4G63t Engines (S-A Design) (Performance How-To) By Robert Bowen

Mitsubishi's 4G63t engine is among the most powerful engines ever in the sport-compact world. It's not uncommon to find one of these four-cylinder, iron-block, aluminum-headed, 2-liter turbocharged monsters making more than 1,000 horsepower with the right modifications and tuning well above the 200-300 hp produced in the factory-made engines. Bolted into such cars as the Mitsubishi Lancer Evolution, Eclipse, and Galant, and the Eagle Talon and Plymouth Laser, the 4G63t has more than a cult following among sport-compact enthusiasts, who know and respect this engine's immense performance potential at the track or on the street.

Up until now, in-depth performance information on the 4G63t has been hard to find. For this book, author Robert Bowen went straight to the source, Robert Garcia of Road/Race Engineering in Santa Fe Springs, California. RRE is the most well-known and respected Mitsubishi turbo performance shop in the United States, and Garcia is its in-house engine builder. Mitsubishi enthusiasts will benefit from Garcia's expertise and be able to build better, stronger engines than ever before.

How to Build Max-Performance Mitsubishi 4G63t Engines covers every system and component of the engine, including the turbocharger system and engine management. More than just a collection of tips and tricks, this book includes a complete history of the engine and its evolution, an identification guide, and advice for choosing engine components and other parts. Profiles of successful built-up engines show the reader examples of what works, and the book includes helpful guidance for choosing your own engine building path.

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### **Editorial Review**

#### **Review**

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. ---Engine Professional, reviewed by Mike Caruso, Apr-June 2009

#### **About the Author**

Robert Bowen is the author of How to Rebuild and Modify Manual Transmissions and a frequent contributor to Grassroots Motorsports and other publications. He is a member of the Motor Press Guild and has built and restored dozens of cars and motorcycles.

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