



# Designing and Tuning High-Performance Fuel Injection Systems

By Greg Banish

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## Designing and Tuning High-Performance Fuel Injection Systems By Greg Banish

So you've decided that fuel injection is for you, but want to know more. Many questions surround what appears to many as more of a black art than science. Engine tuning used to be the hallowed ground of vehicle engineers and cutting-edge hot rodders. For years, the carburetor filled the needs of enthusiasts and provided simple adjustments at the end of a flat-bladed screwdriver. But today, electronic controls for engines are the norm. Even the casual enthusiast who actually drives his favorite hot rod on the streets can easily see the benefit of increased precision when he fires the car up for the first time each spring. A properly tuned EFI system rarely needs anything more than the turn of the key to come to life.

Following up his best-selling title, *Engine Management: Advanced Tuning*, author Greg Banish goes in-depth on the combustion basics of fuel injection as well as benefits and limitations of standalone. Learn useful formulas, VE equation and airflow estimation, and more. Also covered are setups and calibration, creating VE tables, creating timing maps, auxiliary output controls, start to finish calibration examples with screen shots to document the process. Useful appendixes include glossary and a special resources guide with standalone manufacturers and test equipment manufacturers.

Aftermarket standalone systems are a great way to dial in performance and reliability. *Designing and Tuning High-Performance Fuel-Injection Systems* is the book you need to become an expert in this popular modification.

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## Designing and Tuning High-Performance Fuel Injection Systems By Greg Banish Bibliography

- Sales Rank: #79370 in Books
- Brand: Sa Design
- Published on: 2009-09-22
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x .38" w x 8.50" l, .95 pounds
- Binding: Paperback
- 128 pages

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### Editorial Review

#### Review

"The book contains all the info you'll ever need to know and is an essential title for you to become an expert on fuel injection." (*TotalKitCar Mag (UK)* 2010-03-01)

#### From the Back Cover

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#### About the Author

Greg Banish is a powertrain calibration engineer for one of the world's largest auto manufacturers where his daily routine includes reviewing engine performance and emissions data using the latest in industry technologies. He also operates Calibrated Success, Inc. (<http://www.calibratedsuccess.com>), a consulting and training firm where he works with some of the top names in the performance industry and teaches classes across the country.

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