



## Performance Fuel Injection Systems HP1557: How to Design, Build, Modify, and Tune EFI and ECU Systems. Covers Components, Sensors, Fuel and Ignition Requirements, ... Tuning the Stock ECU, Piggyback and Standalone

By Matt Cramer, Jerry Hoffmann

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A practical guide to modifying and tuning modern electronic fuel injection (EFI) systems, including engine control units (ECUs). The book starts out with plenty of foundational topics on wiring, fuel systems, sensors, different types of ignition systems, and other topics to help ensure the reader understands how EFI Systems work. Next the book builds on that foundation, helping the reader to understand the different options available: Re-tuning factory ECUs, add on piggyback computers, or all out standalone engine management systems. Next Matt and Jerry help the reader to understand how to configure a Standalone EMS, get the engine started, prep for tuning, and tune the engine for maximum power and drivability. Also covered is advice on tuning other functions-- acceleration enrichments, closed loop fuel correction, and more. Finally, the book ends with a number of case studies highlighting different vehicles and the EMS solutions that were chosen for each, helping to bring it all together with a heavy emphasis on how you can practically approach your projects and make them successful!

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## **Editorial Review**

### Review

Awarded the 2010 International Automotive Media Awards Bronze Medal for best written Technical Reference Book (2nd place award, there was no silver in 2010)

*-2010 IAMA Awards*

"We've all heard that an educated consumer is a better customer. It would seem that authors Jerry Hoffmann and Matt Cramer of DIYAutoTune are firm believers in this axiom. Their new book, "Performance Fuel Injection Systems, " expertly walks readers through the processes and pitfalls of working with aftermarket fuel-injection systems. Despite their MegaSquirt-heavy business model at DIYAutoTune, the authors deliver an even-handed look at all of the players in the market. While this book is a must-read for beginners, we're keeping it on our shelf to use as a reference for future conversions."

*-"Grassroots Motorsports" Magazine, reviewed by Per Schroeder, November 2010*

Five Stars \*\*\*\*\*

### About the Author

**Matt Cramer** is the chief technical engineer and programmer for DIYAutoTune. **Jerry Hoffmann** is the founder of DIYAutoTune.com. They live in Georgia.

## **Users Review**

### **From reader reviews:**

#### **Maria Gardner:**

Have you spare time for a day? What do you do when you have considerably more or little spare time? Yes, you can choose the suitable activity with regard to spend your time. Any person spent all their spare time to take a stroll, shopping, or went to typically the Mall. How about open or perhaps read a book entitled Performance Fuel Injection Systems HP1557: How to Design, Build, Modify, and Tune EFI and ECU Systems.Covers Components, Sensors, Fuel and Ignition Requirements, ... Tuning the Stock ECU, Piggyback and Stan? Maybe it is being best activity for you. You realize beside you can spend your time with your favorite's book, you can better than before. Do you agree with its opinion or you have some other opinion?

#### **Carlos McNerney:**

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**Nora Mickey:**

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**Louis Ono:**

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