



How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems

By Mike Noonan

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How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems By Mike Noonan

Without a doubt, GM's LS Series engines are the hottest thing going right now. Thousands of enthusiasts are either modifying their cars factory equipped with these engines, supported by a robust aftermarket, or converting their vintage muscle cars to run with these efficient and powerful engines. Of course, with technology comes complexity. To get the maximum performance and efficiency out of any modern engine, you have to have a solid understanding of the technology involved and how to make the most of it.

In *How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems*, the benefits, advantages and nuances of this robust and efficient control system are thoroughly examined. Do you have a vehicle already equipped with an LS Series engine but want to do a transmission swap? Do you want to convert from a cable throttle to an electronic throttle, and make systems like cruise control integrate? Do you want to eliminate the dreaded Optispark distributor from your LT1/LT4? Perhaps convert your Gen I small-block to distributor-less ignition? Or convert to universal OBD-II diagnostics? Do you want an affordable control system to run fuel injection, ignition timing, cooling fans, air conditioning, and electronic overdrive transmissions while swapping all of this into your classic muscle car?

How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems will cover all of these applications and more. Not only are the performance and flexibility aspects covered in great detail, but there are significant cost benefits as well. Implementing a GM Series III PCM based control system will not only afford you great flexibility and tune-ability, but it can be accomplished significantly cheaper than most aftermarket alternatives. If you are planning any of these complex swaps or just looking to thoroughly understand the nuances of modern GM control systems, this book is a vital addition to your technical library.



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Editorial Review

From the Back Cover

Without a doubt, GM's LS-series engines are very popular. Enthusiasts are either modifying their cars that were factory equipped with these efficient and powerful engines (supported by a robust aftermarket) or converting their vintage muscle cars to run with these engines. Of course, with technology comes complexity. To get the maximum performance and efficiency out of any modern engine, you must have a solid understanding of the technology involved and how to make the most of it.

How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems thoroughly examines the benefits of this robust and efficient control system. Do you want to convert from a cable throttle to an electronic throttle, and make systems such as cruise control integrate? Do you want to eliminate the Optispark distributor from your LT1/LT4? Perhaps convert your Gen I small-block to distributor-less ignition? Or convert to universal OBD-II diagnostics? Do you want to have an affordable control system to run fuel injection, ignition timing, cooling fans, air conditioning, and electronic overdrive transmissions while swapping all of this into your classic muscle car?

Author Mike Noonan covers all of these applications and more. Implementing a GM Series III PCM-based control system not only affords you great flexibility and tune-ability, but it can be accomplished significantly cheaper than most aftermarket alternatives. If you are planning any of these complex swaps or just looking to thoroughly understand the nuances of modern GM control systems, this book is a vital addition to your technical library.

About the Author

Author Mike Noonan is the founder and owner of EFI Connection- a business that specializes in GM LS-Series electronic conversions, updates, custom tuning and wiring solutions. Based in Erie, Pennsylvania, Mike has been working with GM electronic engine controls since the early 1990s, and launched EFI Connection in 2003 as a response to the demand he saw in the marketplace. He is recognized as one of the nations premier experts on GM LS-Series engine electronics and is in demand as an engine tuner/programmer as well. His LS-based engine swap products have been featured in several enthusiast magazine technical features and are popular with hobbyist car builders for their quality, simplicity and excellent instructions. In 2013, SEMA News recognized Mike as an up-and-comer in the automotive aftermarket by naming him one of the "35 Under 35".

Users Review

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Clifford Harris:

In this period globalization it is important to someone to obtain information. The information will make professionals understand the condition of the world. The condition of the world makes the information simpler to share. You can find a lot of personal references to get information example: internet, newspaper, book, and soon. You can see that now, a lot of publisher in which print many kinds of book. The actual book that recommended for you is How to Use and Upgrade to GM Gen III LS-Series Powertrain Control Systems this book consist a lot of the information of the condition of this world now. This book was represented just how can the world has grown up. The terminology styles that writer require to explain it is easy to understand. The particular writer made some research when he makes this book. This is why this book appropriate all of you.

Jeffrey Call:

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