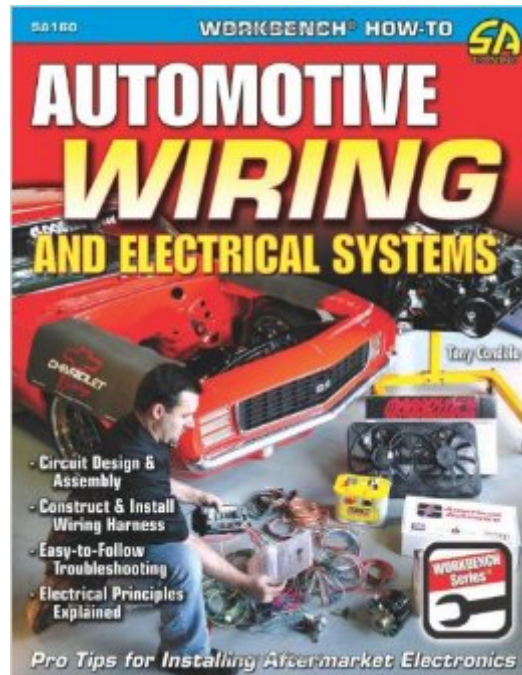


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# Automotive Wiring And Electrical Systems (Workbench Series)



## Synopsis

Often, wiring and electrical work intimidate automotive do-it-yourselfers more than anything else. It's not mechanical, and therefore, it's unfamiliar territory. Electrons are invisible, and to an untrained enthusiast they can do unpredictable things. Finally, here is an enthusiast's guide that takes the mysteries and misunderstandings out of automotive electrical design, modification, diagnostics, and repair. *Automotive Wiring and Electrical Systems* is the perfect book to unshroud the mysteries of automotive electrics and electronic systems. The basics of electrical principles, including voltage, amperage, resistance, and Ohm's law, are revealed in clear and concise detail so the enthusiast understands what these mean in the construction and repair of automotive electrical circuits. All the tools and the proper equipment required for automotive electrical tasks are covered. In addition, this in-depth guide explains how to perform more complex tasks, such as adding new circuits, installing aftermarket electronics, repairing existing circuits, and troubleshooting. It also explains how to complete popular wiring projects, such as adding late-model electronic accessories and convenience items to earlier-model cars, installing relay systems, designing and assembling multi-function circuits and harnesses, and much more. With this book in hand, you will be able to assemble, design, and build single- and multi-function circuits and harnesses, troubleshoot and repair existing circuits, and install aftermarket systems and electronics. *Automotive Wiring and Electrical Systems* is the perfect book for wiring a hot rod from scratch, modifying muscle car electrical circuits for cooling fans and/or power windows, or adding a big stereo and other conveniences to modern performance cars.

## Book Information

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## Customer Reviews

I've read just about every automotive book on the bookstore shelves and this is one of the best. The information is accurate and well written, photos support the written material with good clear color shots, and the information is easy to understand. This is the only book I know of that goes into any level of detail concerning DMMs for automotive use and why you should use them instead of a traditional test light. It also contains very good details on proper use of relays including circuit protection with clamping diodes (if you dont know what that is you will after reading about them in this book). Fuses, fusible links, wire, grounding, harnesses, its all here. Often when reading automotive books, I get the feeling that the author knows what they are talking about but does a poor job of putting it into words that the reader can understand. Other times, the author doesn't know what they are talking about or they are just outright wrong. This book is NOT an example of either of those. This author understands what he is talking about and knows how to explain it clearly. If you purchased other automotive books and need one on wiring, you will be happy with this one. I am looking forward to a 2nd edition containing more projects. I'd love to see this author write a book on Engine Management (ECUs) with custom installations and tuning written in the same style as this book.

This book is great. Having worked in the automotive field for many years now, I have read more than my share of electrical guides. Not one can compare to the content in this book. The book covers everything from basic principles to tools, connections, installations, and troubleshooting; all of which are explained using real world situations and solutions with easy to read diagrams and pictures. Nearly every scenerio that someone could run into in the field is covered. Many myths in the 12 volt field are also laid to rest. This book would be great for anyone with any level of electronic experience. Like I said earlier, I have been in the field for a while now....and even I learned a thing or two.

This is a great book. I am an electrician and used this book as a great review. It is written in such a way that anyone can understand what is being said. I plan on using it to help teach the younger guys the workings of electronics. I really liked the section on relays. If you are reading this, I suggest buying this book.

When I originally ordered this book, it quoted me 2 weeks longer than it arrived. Needless to say it arrived earlier than expected! Absolutely phenomenal product here folks. It is written in a manner anyone can understand. The layout is just right, and the pictures match the content perfectly. If you're doing ANYTHING with electrical in a car, then this book will be a godsend. One of the best reasons to get this book, is the explanation of the author's journey by learning from trial-and-error, and proper warnings throughout each chapter so that the reader doesn't make the same mistakes the first time around (which can often be expensive to fix). This is gold. I strongly recommend this book.

Perfect blend of practical theory and information combined with hands-on how to. Everything you want/need to know about wiring anything from a scratch-built car to muscle car resto to pretty much anything else.

This is a very good book. Full of really useful stuff you can actually use. Combine this book with the Tracy Martin and Jim Horner books and there won't be much you can't do with a car's electrical system.

PRO: If you are new to the world of automotive electrical this book is great at explaining what everything is and how it works. It does have a lot of good tips on how to make connections and mounting some components. CON: If you are trying to wire your own car from scratch this book is not much help. It is not a step by step guide on how to wire. It will tell you basically what you need to have more or less but doesn't give many details on how to do it. I am building a Chevy drag car and have to start from scratch with my electrical system. I bought this book to try to salvage a lot of the existing wiring system my car and just modify it for what I need. But I ended up buying a Painless wiring kit and the instructions that came with the kit are way more helpful than this book was for what I am doing to my car.

Good explanation of the basics. Especially strong on circuits. Shows the proper way to perform specific tasks and get a result you are proud of. If you want to start developing an understanding of automotive electrical systems this is a great place to start.

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