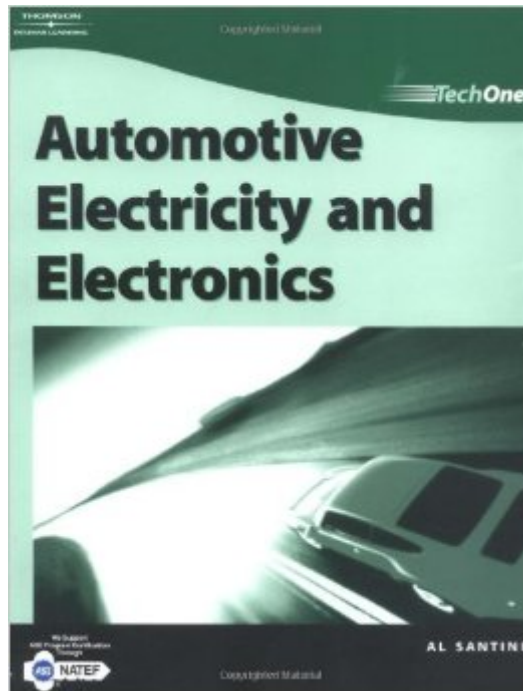


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# TechOne: Automotive Electricity & Electronics



## Synopsis

How things work, why we test objects as we do, and what the test instruments tell us are all part of the foundation for this new book on automotive electricity and electronics. Completely up-to-date coverage emphasizes the fundamentals of electronics, setting the stage for smooth progression through more advanced topics such as batteries, starting and charging systems, ignitions, and electrical accessories. Testing is accomplished with common shop tools as well as highly technical equipment. Each chapter is written in a clear and concise fashion that is easy to follow, with current J1930 terminology incorporated throughout.

## Book Information

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Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #306,106 in Books (See Top 100 in Books) #29 in [Books > Engineering & Transportation > Automotive > Repair & Maintenance > Electrical Systems](#) #71 in [Books > Business & Money > Industries > Automotive](#) #132 in [Books > Business & Money > Industries > Transportation](#)

## Customer Reviews

I bought this book almost 5 years ago while in Auto tech school to supplement a lousy text we had to use in our auto electronics class. This book is excellent in the way it presents the subject matter; also covers 'scope useage in a clear and understandable matter. I looked a several books before buying this one; it had all the details and material that I was needing. If you are wanting a deep understanding of automotive electronics and has to test and repair today's complex vehicles, this is the book to buy. I finished my automotive program 3 years ago and have advanced to Master ASE certified with L1. This book gave me the foundation and understanding of electronic systems that I needed to build upon. Get this book and you will not be disappointed.

Though its slightly an older version (2010) it is very informative about auto electronics. It is meant for training professional mechanics in the field, however if you want to learn more about your vehicles electrical system and how it works than this is for you. I bought mine used though which only cost me \$10 bucks or so. The new textbook runs over \$100. Also the author goes into detail a lot about the DSO (digital oscilloscope). Since most of these machines are out of the cost range of a home mechanic, you may want to just ignore those chapters.

I like the way this book is written....clear explanations with a lot of good examples.I have found quite a few mistakes throughout this book....kinda scratch my head wondering how the editors miss them. Most of the mistakes are made when the book references one of the wiring diagrams/schematics. For example, on page 471 the diagram (56-2) shows a non-ganged switch (should have dashed-line ganging)..... one page later it refers to the diagram and emphasizes the switches as being ganged.On page 493 the book refers to figure 59-6 and states that the test light should come on if connected to yellow and drk-green or gray.....seeing that yellow is hot and the other wires are resting in the grounded position. Trouble is, the switches at rest, according to the diagram, put the switches at hot.....and yellow is also hot, that means no test light should come on. The switches in question actually show that a ground is applied when thrown.I ran into this type of error quite a few times in this otherwise well-written book.

One of the most clear well written and up to date books I have studied on Auto Electricity. In depth high tech material that is written where a beginner can grasp without dumbing it down the way some writers do. Would recommend to anyone preparing to enter into Auto Tech classes in College.

This would be a great book if only the editor would have learned proper english. Chapters are hard to follow and the paragraphs change subject matter without breaks.Also there is know answer key in the back to check your answers with.Waist of money.

Everything as expected. It provides both an in-depth review of Automotive electrical diagnostic tests and information about the general concepts and tools needed.

I bought these books for my sons automotive technical school. Combined with his dedication and these books and instructor he is tops in his class.

my book was not in the condition they described, they didnt say anything about water damage and mildew in the pages, the book was definitely not worth what i paid for it.

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