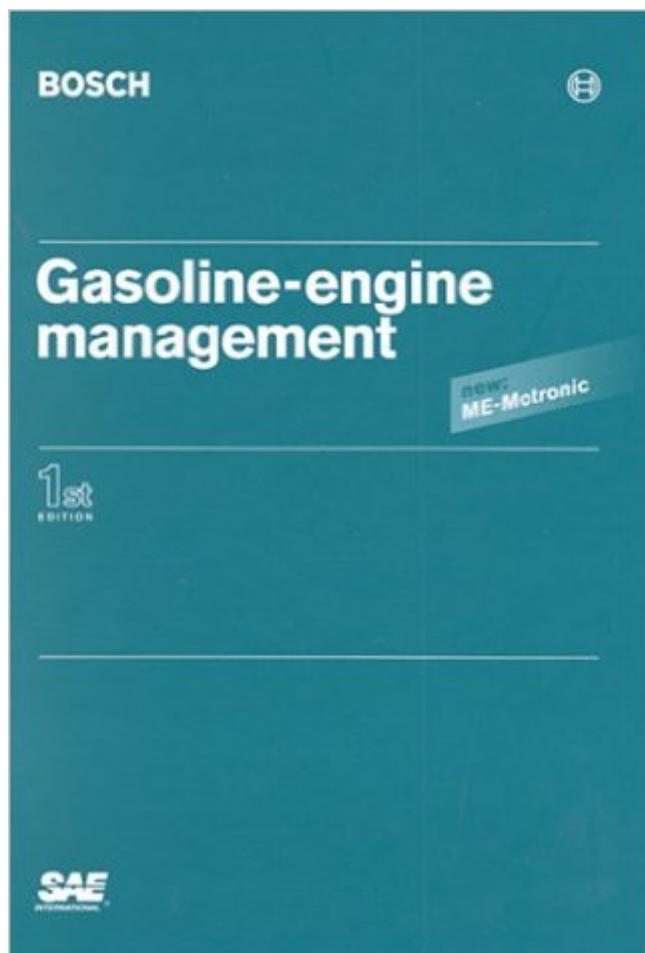


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# Gasoline Engine Management (BOSCH-G2000)



## Synopsis

The BOSCH handbook series on different automotive technologies has become one of the most definitive sets of reference books that automotive engineers have at their disposal. Different topics are covered in a concise but descriptive way backed up by diagrams, graphs and tables enabling the reader to comprehend the subject matter fully. This book discusses the basics relating to the method of operation of gasoline-engine control systems. The descriptions of cylinder-charge control systems, fuel-injection systems (intake manifold and gasoline direct injection), and ignition systems provide a comprehensive, firsthand overview of the control mechanisms indispensable for operating a modern gasoline engine. The practical implementation of engine management and control is described by the examples of various Motronic variants, and the control and regulation functions integrated in this particular management systems. The book concludes with a chapter describing how a Motronic system is developed. --This text refers to an out of print or unavailable edition of this title.

## Book Information

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Average Customer Review: 4.2 out of 5 stars See all reviews (4 customer reviews)

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## Customer Reviews

This is a great book with a lot of information about not just the electronics of engine management, but also about the combustion process, emissions control etc. The best part is that the information is not specific to a particular engine management system - the book deals with conceptual problems and how engine management systems solve those. A single reading of the book provided more knowledge than probably a whole year of net-surfing did! Highly recommended for those who need

their fundamentals thoroughly clear.

Just do not take the introduction at face value. It describes the history of the company. It says that when Robert Bosch died in 1942, the "world mourned" [or words to that effect]. Rubbish! For world, substitute "Nazi Germany". The man and his company were steadfast supporters of the Nazis. Given his technological ability and more generally that of his eponymous company, that was bad news for everyone else in the world. The rest of the book moves on safer ground, discussing engineering achievements after the war. Those sections are fine, and are indeed well written and should be readily understandable to a person with an engineering background.

I learned a lot about gasoline engines from this book. It is useful for beginners in engine topics. Could this be reached with information about gasoline engines which are using Bosch EMS after 2007? Overall, I liked this book.

This book is great for understanding the basics of engines. It has a lot of in depth details about individual components and the history of Bosch designs. I would say that this is one of the better references for computer controlled engines.

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