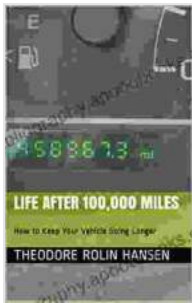


Automotive Computer Controlled Systems: A Comprehensive Guide

Automotive computer controlled systems (CCS) are becoming increasingly common in today's vehicles. These systems use computers to control a variety of vehicle functions, including engine management, transmission control, braking, and safety systems. CCS can improve vehicle performance, fuel efficiency, and safety. However, they can also be complex and difficult to troubleshoot.



Automotive Computer Controlled Systems

by Theodore Rolin Hansen

★★★★☆ 4.3 out of 5

Language : English

File size : 7201 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting: Enabled

Print length : 143 pages

Lending : Enabled

Paperback : 96 pages

Item Weight : 1 pounds

Dimensions : 7.44 x 9.69 inches

Hardcover : 268 pages



This book is a comprehensive guide to automotive CCS. It covers everything from basic concepts to advanced troubleshooting. Whether you're a beginner or an experienced technician, this book will help you understand and troubleshoot CCS.

Chapter 1: Basic Concepts

This chapter covers the basic concepts of automotive CCS. You will learn about the different types of CCS, how they work, and the benefits they offer. You will also learn about the different components of a CCS, including sensors, actuators, and controllers.

Chapter 2: Engine Management Systems

This chapter covers engine management systems (EMS). EMSs control the engine's air-fuel mixture, timing, and ignition. They also monitor the engine's performance and adjust the engine's operation accordingly. You will learn about the different types of EMSs, how they work, and how to troubleshoot them.

Chapter 3: Transmission Control Systems

This chapter covers transmission control systems (TCS). TCSs control the transmission's gearshifting. They also monitor the transmission's performance and adjust the transmission's operation accordingly. You will learn about the different types of TCSs, how they work, and how to troubleshoot them.

Chapter 4: Braking Systems

This chapter covers braking systems. Braking systems use computers to control the vehicle's brakes. This can improve braking performance and safety. You will learn about the different types of braking systems, how they work, and how to troubleshoot them.

Chapter 5: Safety Systems

This chapter covers safety systems. Safety systems use computers to protect the vehicle's occupants in the event of a crash. These systems can include airbags, anti-lock brakes, and stability control. You will learn about the different types of safety systems, how they work, and how to troubleshoot them.

Chapter 6: Diagnostics and Troubleshooting

This chapter covers diagnostics and troubleshooting. You will learn how to diagnose and troubleshoot CCS problems. You will also learn about the different tools and techniques that can be used for troubleshooting CCS.

This book is a comprehensive guide to automotive CCS. It covers everything from basic concepts to advanced troubleshooting. Whether you're a beginner or an experienced technician, this book will help you understand and troubleshoot CCS.

About the Author

Theodore Rolin Hansen is a leading expert on automotive CCS. He has over 30 years of experience in the automotive industry, and he has written extensively on CCS. His books and articles have been published in a variety of automotive publications, and he is a frequent speaker at industry conferences.



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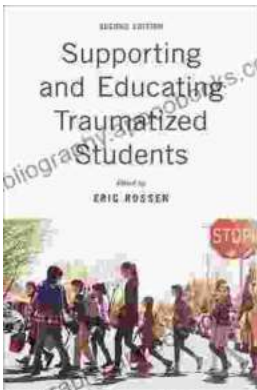
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