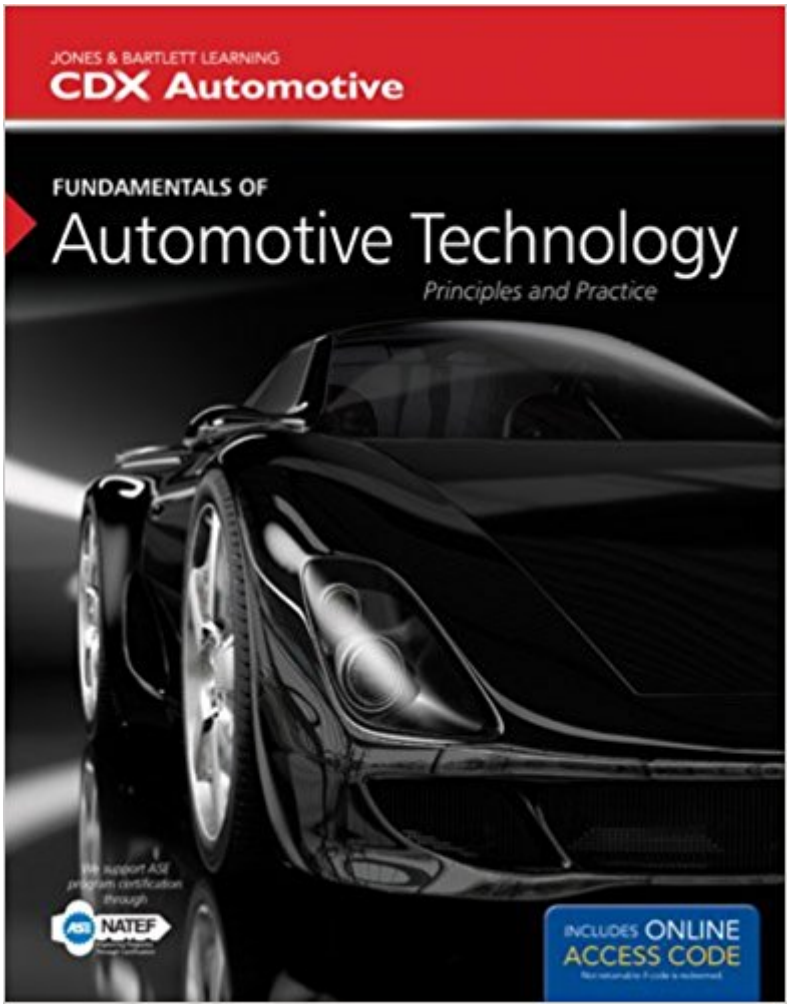
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# Fundamentals Of Automotive Technology: Principles And Practice




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## Synopsis

Prior to purchasing this textbook on , check with your instructor because course materials are often school specific. Based on the latest National Automotive Technicians Education Foundation (NATEF) Automobile Accreditation Tasks Lists, Fundamentals of Automotive Technology offers comprehensive coverage of every task with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. Automotive technicians needs to know how to safely and effectively perform maintenance, diagnose, and repair automobiles. Fundamentals of Automotive Technology provides all of the critical knowledge and skills necessary for technicians to perform these essential tasks. Current Content 2012 NATEF tasks are provided at the beginning of each chapter. The task tables indicate the level of each taskÃ¢â ¬â ¢Maintenance & Light Repair (MLR), Auto Service Technology (AST), and Master Auto Service Technology (MAST), and include page references for easy access to coverage. Relaxed, Readable Textbook Fundamentals of Automotive Technology is written in a clear, accessible language creating a learning environment in which students are comfortable with the material presented. That comfort level creates an effective and engaging learning experience for students, translating into better understanding and retention, ultimately leading to better pass rates. Reinforcement of Concepts This text is written on the premise that students require a solid foundation in the basics followed by appropriate reinforcement of the concepts learned. Reinforcement is provided with written step-by-step explanations and visual summaries of skills and procedures. Each chapter also concludes with a comprehensive bulleted list summarizing the chapter content, and ASE-type questions to help students test critical thinking skills and gauge comprehension. Clear Application to Real-World Practice Case studies begin each chapter, capturing studentsÃ¢â ¬â„¢ attention and encouraging critical thinking. Safety, Technician, and Caring for the Customer tip boxes provide real-world advice from experienced technicians. Fundamentals of Automotive Technology gives students a genuine context for the application of the knowledge presented in the chapter. This approach makes it clear how all of this new information will be used in the shop.

## Book Information

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## Customer Reviews

Kirk VanGelder started teaching automotive technology to college students at Clark College in 1983, and then high school students at the Clark County Skills Center in 1990. While he wasn't a natural teacher when he started, he worked hard and kept trying new things. Over time, he has had success engaging students through the use of intense questioning and discussion. This has helped his students learn how to think critically, as well as learn how to ask questions of themselves, and then to search out the answers. In his search for engaging teaching materials, Kirk stumbled across the CDX videos in the mid 90's. After spending several years raising money to buy the materials, a laptop computer, and a LCD projector to use them on, he was off on a journey that ultimately led to working with CDX and other instructors to author his first textbook; Fundamentals of Automotive Technology: Principles and Practice and a second book Fundamentals of Maintenance and Light Repair. Kirk is appreciative of the many instructors who contributed to the textbooks or reviewed them as they was being written and edited. Kirk grew up in Washington State, and still resides there with his wife of 27 years, and their 13 children. Kirk's passion is helping instructors improve their teaching/coaching skills. He continues to look forward to working with auto and diesel instructors across the US and Canada.

Perfect fix just a describe

still 85% new good!!

Yes expectations met

great book that I bought for my nephew who needed it for auto mechanics class in school.

This manual addresses the latest systems. I use this manual to look for ways to help technicians when they had need a little extra help

Great

Not a good book....a lot of pictures are of parts taken off of vehicles...when your starting out yoy need to see the parts on the car to see where they are located.....this book does not do a good job of showing how parts are connected in a system...it will talk about brake lines and calipers but won't show a diagram of how everything is connected and if it does it is very small or a computer drawn sketch...sometimes there is a lot of text and no pictures which leaves the reader wondering what they are reading. ...a lot of pointless pictures throughout the text....the book just doesn't flow well....a lot of the science behind the systems could be left out it just takes up space...yes science is important but they get too deep into it and sometimes it seems as if your learning about science more than cars....you don't need to know about atoms and valence electrons to understand the electrical systems.....this is auto not science class...I have 3 other auto text and they all have their flaws but this book needs major makeover....there is value to this book in some areas....biggest gripe about this book is they show too many parts off of cars and spend too much time on science.....I looked at a dozen community college schools and only 1 college uses this book

An excellent book, very comprehensive with coloured graphics. A must for every student of Automotive Technology. A good addition is the opportunity to access online material as well.

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