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> Pearson Automotive Technology: Principles, Diagnosis, and Service (Fifth Edition) Instruction Manual

**Pearson 0133994619**

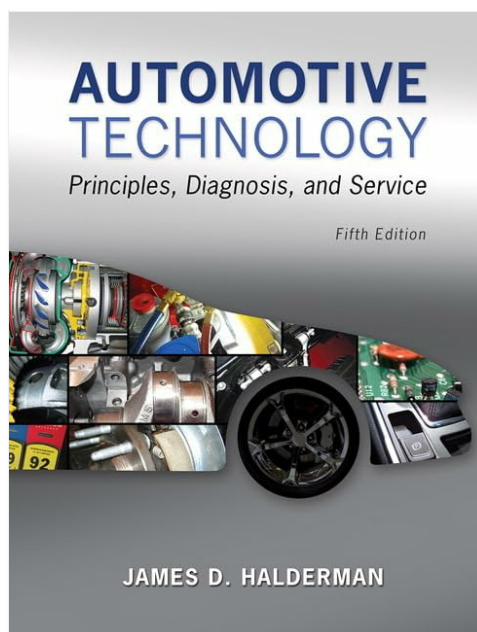
# Automotive Technology: Principles, Diagnosis, and Service (Fifth Edition)

Brand: Pearson

## INTRODUCTION

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This manual provides guidance for effectively utilizing *Automotive Technology: Principles, Diagnosis, and Service, Fifth Edition* by James Halderman. This comprehensive textbook is designed for individuals pursuing careers in automotive service, covering all eight areas of automotive service. It details how various automotive systems are interconnected and outlines the practical skills essential for success in the industry. The content is structured to support courses in Automotive Principles, Service, and Mechanics within technical trade schools and high schools. It also serves as a valuable resource for preparing for ASE certification examinations and as a reference for practicing automotive professionals.



**Image:** The cover of the *Automotive Technology: Principles, Diagnosis, and Service, Fifth Edition* textbook. The cover features the title prominently with a graphic related to automotive systems.

## UTILIZING THE TEXTBOOK AND MyAutomotiveLab

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This textbook is a standalone product. For users who require access to MyAutomotiveLab, it is important to note that it is not automatically included with this physical text. MyAutomotiveLab is an online homework, tutorial, and assessment program designed to complement the textbook content.

### Accessing MyAutomotiveLab

- If MyAutomotiveLab is required for a course, ensure you purchase the specific package that includes both the physical text and MyAutomotiveLab. The ISBN-10 for this package is 0134009088, and the ISBN-13 is 9780134009087.
- MyAutomotiveLab is organized by ASE areas, providing an intuitive design for creating and personalizing assignments. It includes a new assignment calendar to track student progress.
- Consult your instructor or course syllabus to confirm if MyAutomotiveLab access is necessary for your studies.

## NAVIGATING CONTENT AND LEARNING STRATEGIES

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The textbook is structured to facilitate learning and mastery of automotive concepts. It covers all eight areas of automotive service, presenting information on how various systems are connected and the practical skills required in the industry.

### Content Organization

- **Short Chapters:** Topics are divided into concise chapters, which aids in easier assignment, learning, and retention of content.
- **Practical Focus:** The book emphasizes practical skills and procedures used on the job, making it highly relevant for technical trade students.
- **Visual Aids:** Helpful tips and visuals are integrated throughout the text to clarify concepts and guide users through procedures.
- **Current Information:** The content is correlated to the latest NATEF tasks and ASE areas, ensuring relevance. It also includes information on contemporary topics such as electric and hybrid vehicles.

### Effective Learning

To maximize learning, engage with the text by reviewing chapter objectives, utilizing the provided visuals, and practicing the procedures described. Regularly cross-reference the material with NATEF tasks and ASE areas to ensure comprehensive understanding and preparation for certification.

## BOOK CARE AND PRESERVATION

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Proper care of your textbook will ensure its longevity and readability for future reference.

- **Storage:** Store the book in a dry, cool place away from direct sunlight to prevent page yellowing and cover degradation.
- **Handling:** Handle with clean hands to avoid transferring oils and dirt to the pages. Avoid folding pages or dog-earing corners; use bookmarks instead.
- **Protection:** Consider using a book cover to protect the binding and cover from wear and tear, especially if transported frequently.
- **Writing:** Use pencils for notes that may need to be erased, or use non-bleeding highlighters for important sections.

## ADDRESSING LEARNING CHALLENGES

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Encountering complex topics is a natural part of learning. Here are strategies to overcome common challenges when studying automotive technology:

- **Re-read Difficult Sections:** Sometimes, a second or third reading can clarify complex concepts.
- **Utilize Visuals:** Pay close attention to diagrams, illustrations, and charts. These are designed to simplify complex systems and processes.
- **Consult External Resources:** If a concept remains unclear, seek additional explanations from reputable online sources, academic journals, or other automotive reference materials.
- **Seek Instructor Guidance:** For course-specific difficulties, your instructor is the primary resource for clarification and additional support.
- **Practice Problems:** If available, work through practice problems or case studies to apply theoretical knowledge to practical scenarios.

## PRODUCT SPECIFICATIONS

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<b>Publisher</b>	Pearson
<b>Publication Date</b>	January 5, 2015
<b>Edition</b>	5th
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<b>Dimensions</b>	9.5 x 2.7 x 12.15 inches

## WARRANTY AND SUPPORT

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For inquiries regarding the physical condition of the book upon receipt, or for issues related to missing pages or printing errors, please contact the retailer from whom the book was purchased. For content-related support or questions about MyAutomotiveLab, please refer to the publisher's official support channels or your course instructor.

As this product is a textbook, specific warranty terms typically apply to its physical condition at the point of sale rather than ongoing operational performance. Any digital components, such as MyAutomotiveLab, will have their own terms of service and support provided by Pearson.

## RELATED VIDEOS

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No official product instruction videos were found for this textbook in the provided data. For supplementary learning materials, please consult the publisher's website or your educational institution's resources.