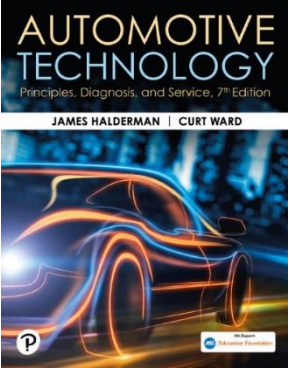
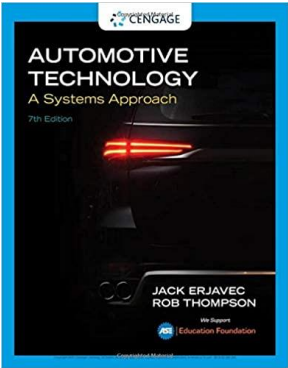
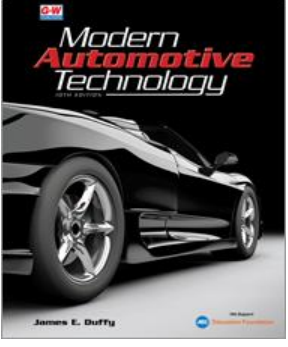


Automotive Big Book Comparison Chart

			
Pearson	Cengage	CDX	G-W
Seventh Edition	Seventh Edition	Third Edition	10 th Edition
2023 copyright	2023 copyright	2023 copyright	2022 Copyright
ISBN- 9780137854905	ISBN- 9781337794213	ISBN- 9781284230352	ISBN- 9781645646884
<p style="text-align: center;">136 Chapters (1,776 Pages, 3,792 figures) 10 pounds, large format 12 in. x 9 in. by 2.5 inches high</p> <p>A0 - Fundamentals and Basic Skills (including soft skills) – Chapters 1 through 14 A1 - Engine Repair – Chapters 15 through 35 A2 - Automatic Transmissions/Transaxles – Chapters 128 through 133 A3 - Manual Drivetrains and Axles – Chapters 121 through 127 A4 - Steering and Suspension – Chapters 108 through 120 A5 - Brakes – Chapters 93 through 107 A6 - Electrical/Electronic Systems – Chapters 36 through 59 A7 - Heating and Air-Conditioning – Chapters 60 through 66 A8 - Engine Performance – Chapters 67 through 85 G1 - Maintenance and Light Repair – Selected content from many chapters P2 - Parts Specialist – Chapter 134 C1 - Service Consultant – Chapter 135 X1 - Exhaust Systems – Chapter 136 L3 - Electric and Hybrid Electric Vehicles – Chapters 86 through 92.</p>	<p style="text-align: center;">55 Chapters (1,728 Pages, 2,644 figures) 10 pounds, 11 in. x 8.5 in. by 2.5 inches. High</p> <p>Automotive Technology-Chapters 1 through 8 Engines- Chapters 9 through 14 Electricity-Chapters 15 through 23 Engine Performance- Chapters 24 through 36 (Includes hybrid and electric vehicles, Chapters 35 and 36) Manual Transmissions- Chapters 37 through 40 Automatic Transmissions- Chapters 41 through 44 Suspension and Steering- Chapters 45 through 49 Brakes- Chapters 50 through 53 Heating and Air Conditioning- Chapters 54-55</p>	<p style="text-align: center;">73 Chapters + 2 Online (2,125 pages, 3,061 figures) 10 pounds, 11 in. x 8 in. by 3.5 inches high</p> <p>Safety and Foundation-Chapters 1 through 15 Engine Repair- Chapters 16 through 26 Automatic Transmissions and Transaxles- Chapters 27 through 33 Manual Drivetrains and Axles- Chapters 34 through 39 Steering and Suspension- Chapters 40 through 46 Brakes- Chapters 47 through 55 Electrical-Chapters- 56 through 65 Heating and Air Conditioning- Chapters 66 through 68 Engine Performance- Chapters 69-73</p>	<p style="text-align: center;">86 Chapters (1,449 pages, 1,624 figures) 8 pounds, 11 in x 8 in by 1.75 in high</p> <p>Section 1-Introduction- 1-10 Section 2- Engine Technology- 11-17 Section 3- Electrical Basics- 18-22 Section 4-Computer Control- 23-25 Section 5-Electrical and Electronics-26-38 Section 6-Fuel and Exhaust Systems- 39-46 Section 7- Cooling and Lubrication-47-50 Section 8- Emission Control Systems- 51-52 Section 9- Engine Performance-53-54 Section 10-Engine Service-55-60 Section 11-Drivetrain and Axles- 61-72 Section 12- Suspension and Steering- 73-79 Section 13-Brake Systems- 80-82 Section 14- Heating and A/C- 83-84 Section 15- Safety Systems- 85-86</p>

<p>In Text Features: Learning Objectives Key Terms Case Studies (Three Cs) Tech Tips Frequently Asked Questions Photo Sequences Warnings Cautions Review Questions Chapter Quiz</p>	<p>In Text Features: Objectives Key Terms Photo Sequences Performance Tips Summary Review Questions ASE-Style Review Questions Three Cs Shop Talk Customer Care Tool Care Cautions Warnings</p>	<p>In-Text Features Learning Objectives You are the Technician Skill Drills (short Photo Sequences) Applied Academics Technician Tips Safety Tips Photo Sequences Wrap- Up (summary) Key Terms (defined) Review Questions (multiple choice) ASE Technician A and B Style Questions</p>	<p>In-Text Features Objectives Technical Terms Tech Tips Green Technologies Service Procedures Diagnostic Case Studies Warnings Photo Sequences Summary Activities Review Questions ASE-Type Questions</p>
<p>Advantages 1. Written by automotive instructors, for automotive instructors to use in their classroom to teach future automotive service technicians. 2. Practical information throughout including case studies and tech tips including author photos that make the subject come alive. 3. Many full-color photos and line drawings are used to help explain the technical content.</p> <p>Disadvantages 1. None.</p> <p>Features/Text that is missing that other titles include: 1. CDX does include more photo sequences but they are placed more as figures and include a short number of photos so they are almost like 2 or 3 photos instead of a sequence showing a longer procedure.</p>	<p>Advantages 1. Short textbook that covers most of the technical aspects of the automotive systems 2. 51 photo sequences</p> <p>Disadvantages 1. Little, if any, practical type information such as tech tips that help make the subject more interesting and useful. 2. Long chapters (30 to 50 pages long) make this textbook harder for students and instructors because the chapters cover so much.</p> <p>Features/Text that is missing that the Pearson title includes: 1. More shorter chapters (136 vs. 55) making it easier to teach from and the students to learn from. 2. More main (H1) and sub-headings (H2) that are clearly shown to help the readers visually see the organization of the content. 3. Sidebars such as Tech Tips and FAQs</p>	<p>Advantages 1. The textbook covers most of the technical aspects the eight ASE content with the two online chapters covering EVs, HEVs and alternative fuels. 2. A mix of photos and line drawings are used to help explain the technical content.</p> <p>Disadvantages 1. Long sections of straight text would make it hard for students to keep focused on the topics. 2. Lacks case studies that are used in the Pearson text to surround the student with practical real-world experiences.</p> <p>Features/Text that is missing that the Pearson title includes: 1. More chapters and clarity of chapters. 2. Sidebars such as Tech Tips, FAQs, and Case Studies help make the Pearson book appeal to students who want real world examples of common issues.</p>	<p>Advantages 1. Colorful interior design with mostly line drawings and stock (Shutterstock) photos 2. Mainly designed for the secondary market.</p> <p>Disadvantages 1. Wierd chapter organization (electrical (A6) and engine performance (A8) chapters are sandwiched between the engine repair (A1) chapters. 2. Limited practical information that would be helpful to the service technician such as case studies or technicians' tips. 3. Several technically inaccurate statements and figures (wire repair procedures shown are not recommended by the vehicle manufacturer nor is the testing of hybrid electrical vehicle wiring according to industry standards).</p> <p>Features/Text that is missing that the Pearson title includes: 1, Photo sequences 2. More chapters and clarity of chapters 3. Sidebars such as FAQs and Case Studies</p>