

Automotive Chassis Systems 8th Edition

Chapter 21 – Regenerative Braking Systems

Lesson Plan



CHAPTER SUMMARY:

1. Principles of Regenerative Braking and Types of Regenerative Braking Systems
 2. Battery Charging During Regeneration and Regeneration Braking Systems
 3. How the Regeneration System Works and Deceleration Rates
 4. Engine Design Changes Related to Regenerative Braking
 5. Servicing Regenerative Braking Systems
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OBJECTIVES:

1. Explain the principles involved in regenerative braking.
 2. State the types of regenerative braking systems.
 3. Discuss the parts and components involved in regenerative braking.
 4. Explain how the regeneration system works.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Hybrid Regenerative Brake Systems
 2. [Crossword Puzzle and Word Search](#)
 3. [Videos: ASE A5 Brakes](#)
 4. [Animations: ASE A5 Brakes](#)
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ACTIVITIES:

1. Task Sheet: Hybrid Regenerative Brake Systems
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ASSIGNMENTS:

1. Chapter crossword and word search puzzles from the website.
 2. Complete end of chapter quiz from the textbook.
 3. Complete multiple choice and short answer quizzes downloaded from the website.
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CLASS DISCUSSION:

1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
 2. Review and group discussion of the five (5) chapter [Review Questions](#).
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NOTES AND EVALUATION:
