

Electric & Hybrid Electric Vehicles 1st Edition

Chapter 14 – Regenerative Brakes

Lesson Plan

CHAPTER SUMMARY:



1. Regenerative Braking in Vehicles and Types of Regenerative Brake Systems
 2. One-Pedal Driving, Deceleration Rates, and Servicing Regenerative Brakes
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OBJECTIVES:



1. Describe how regenerative braking works.
 2. Explain the principles involved in regenerative braking.
 3. Discuss the parts and components involved in regenerative braking systems.
 4. Describe the servicing precautions involved with regenerative brakes.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))



1. Task Sheet: Regenerative Braking System Identification
 2. Task Sheet: Regenerative Braking System Diagnosis
 3. Chapter PowerPoint
 4. [Crossword Puzzle and Word Search \(L3\)](#)
 5. [Videos: \(L3\) Light Duty Hybrid Electric](#)
 6. [Animations: \(L3\) Light Duty Hybrid Electric](#)
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ACTIVITIES:



1. Task Sheet: Regenerative Braking System Identification
 2. Task Sheet: Regenerative Braking System Diagnosis
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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:

