

Automotive Technology 7th Edition

Chapter 91 – 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

OBJECTIVES:



1. Describe the principles and operation of regenerative brake systems.
2. Discuss the different types of regenerative brake systems, including the components of the system.
3. Discuss one-pedal driving.
4. Discuss deceleration rates.
5. Describe the servicing precautions involved with regenerative brakes.

RESOURCES: (All resources may be found at jameshalderman.com)



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

ACTIVITIES:



1. Task Sheet: Regenerative Braking System Identification
2. Task Sheet: Regenerative Braking System Diagnosis
3. Crossword Puzzle and Word Search

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.

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](#).

NOTES AND EVALUATION:

