**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

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**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](https://jameshalderman.com/l3_vid_lib_page/)

6. Animations: [(L3) Light Duty Hybrid Electric Animations](https://jameshalderman.com/l3_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Regenerative Braking System Identification

2. Task Sheet: Regenerative Braking System Diagnosis

3. Crossword Puzzle and Word Search

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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:**

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