**Automotive Chassis Systems 8th Edition**

**Chapter 27 –** **Rear Suspension Service**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Solid Rear Axles, Leaf Spring Rear Suspension, and Trailing Arm Rear Suspensions

2. Semi-Trailing Arm Rear Suspension and Independent Rear Suspension

3. Semi-Independent Rear Suspension and Rear Suspension Service

4. Rear Shock Replacement and Rear Spring Replacement

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**OBJECTIVES:**

1. Describe solid rear axles and leaf spring suspensions.

2. Distinguish between trailing arm and semi-trailing arm rear suspensions.

3. Distinguish between independent and semi-independent rear suspensions.

4. Explain rear suspension service, including replacement of rear shocks and rear springs.

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**RESOURCES:** [(All resources may be found at jameshalderman.com)](https://jameshalderman.com/)

1. Task Sheet: Shock Absorber/Strut Cartridge Replacement

2. Task Sheet: Rear Leaf Springs

3. Task Sheet: Inspect, Remove, and Replace Suspension Components

4. [Crossword Puzzle and Word Search](https://jameshalderman.com/a4_puzzles_lib_page/)

5. [Videos: ASE A4 Suspension and Steering](https://jameshalderman.com/a4_vid_lib_page/)

6. [Animations: ASE A4 Suspension and Steering](https://jameshalderman.com/a4_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Shock Absorber/Strut Cartridge Replacement

2. Task Sheet: Rear Leaf Springs

3. Task Sheet: Inspect, Remove, and Replace Suspension Components

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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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