

Automotive Chassis Systems 8th Edition

Chapter 28 – Electronic Suspension Systems

Lesson Plan



CHAPTER SUMMARY:

1. The Need for Electronic Suspensions and Electronic Suspension Controls and Sensors
 2. Electronic Suspension System Actuators and Types of Electronic Suspension
 3. Automatic Level Control (ALC) and Troubleshooting Rear Electronic Leveling Systems
 4. Magneto-Rheological (MR) Suspension
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OBJECTIVES:

1. Discuss the need for electronic suspension systems.
 2. Explain the characteristics of the various sensors used for electronic suspension control.
 3. Describe electronic suspension system actuators.
 4. List the types of electronic suspension systems.
 5. Describe the parts and operation of the automatic level control system.
 6. Explain the procedure to troubleshoot rear electric leveling systems.
 7. Explain how magneto-rheological shocks work.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Electronic Suspension Diagnosis
 2. [Crossword Puzzle and Word Search](#)
 3. [Videos: ASE A4 Suspension and Steering](#)
 4. [Animations: ASE A4 Suspension and Steering](#)
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ACTIVITIES:

1. Task Sheet: Electronic Suspension 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:
