

# Automotive Chassis Systems 8<sup>th</sup> Edition

## Chapter 4 – Braking System Components and Performance Standards

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Fundamentals of Brake Systems, Brake Design Requirements, and Brake System Categories
  2. Antilock Brake System Overview, and Federal Brake Standards
  3. Brake Repair and the Law
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#### **OBJECTIVES:**

1. Describe the fundamentals of brake systems.
  2. Describe brake design requirements.
  3. List the six brake system categories.
  4. State the purpose of an antilock brake system.
  5. Discuss federal brake standards and legal aspects of brake repair.
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#### **RESOURCES:** ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Identify and Interpret Brake Concerns
  2. Task Sheet: Brake System Component Identification
  3. Chapter PowerPoint
  4. [Crossword Puzzle and Word Search](#)
  5. [Videos: ASE A5 Brakes](#)
  6. [Animations: ASE A5 Brakes](#)
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#### **ACTIVITIES:**

1. Task Sheet: Identify and Interpret Brake Concerns
  2. Task Sheet: Brake System Component Identification
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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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