

# Automotive Technology 6<sup>th</sup> Edition

## Chapter 96 – 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.
  6. This chapter will help prepare for the Brakes (A5) ASE certification test.
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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>)

1. **Task Sheet ASE (A5-A-1) P-1:** Identify and Interpret Brake Concerns
  2. **Task Sheet ASE (A5-A-2) P-1:** Brake System Component Identification
  3. Chapter PowerPoint
  4. Chapter Crossword Puzzle and Word Search
  5. Videos: Brake stop light check (time 1:52)
  6. Videos: Common brake problems and solutions (time 6:44)
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#### **ACTIVITIES:**

1. **Task Sheet ASE (A5-A-1) P-1:** Have students complete Identify and Interpret Brake Concerns Task Sheet.
  2. **Task Sheet ASE (A5-A-2) P-1:** Have students complete Brake System Component Identification Task Sheet.
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#### **ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.
  2. Complete end of chapter 10 question quiz.
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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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