

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

## Chapter 11 – Drum Brakes

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Drum Brakes, Drum Brake Advantages, and Drum Brake Disadvantages
  2. Backing Plate and Wheel Cylinders and Drum Brake Shoes
  3. Non-Servo Brake Design and Dual-Servo Brake Design
  4. Automatic Brake Adjusters
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#### **OBJECTIVES:**

1. Identify drum brake component parts.
  2. Discuss the advantages and disadvantages of drum brakes.
  3. Explain the function of the backing plate, wheel cylinders, and drum brake shoes.
  4. Describe the operation of non-servo brakes.
  5. Explain the operation of dual-servo brakes.
  6. Discuss automatic brake adjusters.
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#### **RESOURCES:** ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Drum Brake Identification
  2. [Crossword Puzzle and Word Search](#)
  3. [Videos: ASE A5 Brakes](#)
  4. [Animations: ASE A5 Brakes](#)
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#### **ACTIVITIES:**

1. Task Sheet: Drum Brake 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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