

Automotive Technology 6th Edition

Chapter 103 – Drum Brakes

Lesson Plan



CHAPTER SUMMARY:

1. Drum brakes, drum brake advantages, and drum brake disadvantages
 2. Backing plate and wheel cylinders, drum brake shoes, and non-servo brake design
 3. Dual-servo brake design and 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.
 7. This chapter will help prepare for the Brakes (A5) ASE certification test content area “B” (Drum Brake Diagnosis and repair).
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. **Task Sheet ASE (A5-A-2) P-1:** Drum Brake Identification
 2. Chapter PowerPoint
 3. Chapter Crossword Puzzle and Word Search
 4. Animations: Drum Brake Operation and Wheel Cylinder Operation
 5. Videos: Non servo drum brakes (time 6:13), Drum brakes (time 5:11), and Wheel cylinder (time 1:12)
 6. Videos: Drum brake principles (time 24:44) and Drum brake (time 1:27)
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ACTIVITIES:

1. **Task Sheet ASE (A5-A-2) P-1:** Have students complete Drum Brake 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:
