

Automotive Technology 6th Edition

Chapter 105 – Disc Brakes

Lesson Plan



CHAPTER SUMMARY:

1. Disc brakes, disc brakes construction, disc brake pads, and brake rotors
 2. Disc brake designs and rear disc brakes
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OBJECTIVES:

1. Describe the parts and operation of disc brakes.
 2. Describe the construction of disc brake pads.
 3. Discuss the brake pad assembly methods and brake lining composition.
 4. Describe the difference between fixed caliper and floating or sliding caliper.
 5. Discuss brake rotors, disc brake designs, and rear disc brakes.
 6. This chapter will help prepare for the Brakes (A5) ASE certification test content area “C” (Disc 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:** Disc Brake Identification
 2. Chapter PowerPoint
 3. Chapter Crossword Puzzle and Word Search
 4. Animations: Disc Brake Apply & Release and Retract Caliper Piston
 5. Videos: Disc brake animation (time 0:15), Caliper (time 0:21), and Disc brake (time 0:22)
 6. Videos: Brake rotors (time 1:38), Disc brakes (time 1:43), and Rear brake caliper (time 5:09)
 7. Videos: Rear disc brakes (time 8:06)
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ACTIVITIES:

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