

Automotive Technology 6th Edition

Chapter 107 – Parking Brake Operation, Diagnosis, and Service

Lesson Plan

CHAPTER SUMMARY:



1. Parking brake standards, pedals, levers, and handles
 2. Parking brake warning lamp, parking brake linkages, and front and rear entry parking brake cables
 3. Drum parking brakes and caliper-actuated disc parking brakes
 4. Parking brake cable adjustment and electric parking brake
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OBJECTIVES:



1. Discuss parking brake standards, components, warning lamp and automatic parking brake release.
 2. Explain parking brake linkages.
 3. Describe drum parking brakes.
 4. Describe caliper-actuated disc parking brakes.
 5. Explain how to adjust a parking brake properly.
 6. Discuss electric parking brakes.
 7. This chapter will help prepare for the Brakes (A5) ASE certification test content area "A" (Hydraulic, Power Assist, and Parking Brake Systems Diagnosis and Repair).
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.



1. **Task Sheet ASE (A5-D-10) P-2:** Rear Disc Parking Brake Adjustment
 2. **Task Sheet ASE (A5-F-3) P-1:** Parking Brake Adjustment
 3. **Task Sheet ASE (A5-F-4) P-1:** Parking Brake Operation
 4. Chapter PowerPoint
 5. Chapter Crossword Puzzle and Word Search
 6. Videos: [\(A5\) Brakes Videos](#)
 7. Animations: [\(A5\) Brakes Animations](#)
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ACTIVITIES:



1. **Task Sheet ASE (A5-D-10) P-2:** Have students complete Rear Disc Parking Brake Adjustment Task Sheet.
 2. **Task Sheet ASE (A5-F-3) P-1:** Have students complete Parking Brake Adjustment Task Sheet.
 3. **Task Sheet ASE (A5-F-4) P-1:** Have students complete Parking Brake Operation 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:


