

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

## Chapter 15 – Parking Brake Operation, Diagnosis, and Service

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Parking Brake Standards, Pedals, Levers, and Handles, and Parking Brake Warning Lamp
2. 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 Electrical 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.



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#### **RESOURCES:** ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Rear Disc Parking Brake Adjustment
2. Task Sheet: Parking Brake Adjustment
3. Task Sheet: Parking Brake Operation
4. [Crossword Puzzle and Word Search](#)
5. [Videos: ASE A5 Brakes](#)
6. [Animations: ASE A5 Brakes](#)



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#### **ACTIVITIES:**

1. Task Sheet: Rear Disc Parking Brake Adjustment
2. Task Sheet: Parking Brake Adjustment
3. Task Sheet: Parking Brake Operation



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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:**