

Automotive Chassis Systems 8th Edition

Chapter 10 – Wheel Bearings and Service

Lesson Plan



CHAPTER SUMMARY:

1. Antifriction Bearings, Bearing Greases, and Seals
 2. Bearing Diagnosis, Wheel Bearing Service, and Sealed Bearing Replacement
 3. Rear Drive Axle Classifications and Rear Axle Bearing and Seal Replacement
 4. Bearing Failure Analysis
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OBJECTIVES:

1. Describe the types of antifriction bearings, bearing greases, and seals.
 2. Explain the diagnosis of defective wheel bearings.
 3. Describe wheel bearing service and sealed bearing replacement.
 4. Discuss rear drive axle classifications.
 5. Describe rear axle bearing and seal replacement.
 6. State the reasons for bearing failure.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Wheel Bearing Diagnosis
 2. Task Sheet: Wheel Bearing Service
 3. Task Sheet: Wheel Bearing and Race Replacement
 4. Task Sheet: Inspect and Replace Wheel Studs
 5. Task Sheet: Sealed Wheel Bearing Replacement
 7. [Crossword Puzzle and Word Search](#)
 8. [Videos: ASE A4 Suspension and Steering](#)
 9. [Animations: ASE A4 Suspension and Steering](#)
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ACTIVITIES:

1. Task Sheet: Wheel Bearing Diagnosis
 2. Task Sheet: Wheel Bearing Service
 3. Task Sheet: Wheel Bearing and Race Replacement
 4. Task Sheet: Inspect and Replace Wheel Studs
 5. Task Sheet: Sealed Wheel Bearing Replacement
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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:


