

Automotive Technology 7th Edition

Chapter 97 – Wheel Bearings and Service

Lesson Plan



CHAPTER SUMMARY:

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



OBJECTIVES:

1. Describe the types of antifriction bearings.
2. Discuss bearing greases.
3. Discuss types of seals.
4. Explain the diagnosis of defective wheel bearings.
5. Describe wheel bearing service.
6. Describe sealed bearing service.
7. Discuss rear drive axle classifications.
8. Describe rear axle bearing and seal replacement.
9. State the reasons for bearing failure.



RESOURCES: (All resources may be found at 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
6. Crossword Puzzle and Word Search
7. Chapter PowerPoint
8. Videos: [\(A5\) Brakes Videos](#)
9. Animations: [\(A5\) Brakes Animations](#)



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
6. Crossword Puzzle and Word Search



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.



NOTES AND EVALUATION:
