

# Automotive Steering, Suspension & Alignment

## Chapter 16 – Wheel Bearings and Service

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Antifriction Bearings, Bearing Greases, Seals, Bearing Diagnosis, and Wheel Bearing Service
  2. Sealed Bearing Replacement, Rear Drive Classifications, and Rear Axle Bearing and Seal Replacement
  3. 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 Service
  2. Chapter PowerPoint
  3. [Crossword and Word Search Puzzles \(A4\)](#)
  4. [Videos: \(A4\) Suspension and Steering](#)
  5. [Animations: \(A4\) Suspension and Steering](#)
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#### **ACTIVITIES:**

1. Task Sheet: Wheel Bearing Service
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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:**

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