

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

## Chapter 27 – Rear Suspension Service

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Solid Rear Axles, Leaf Spring Rear Suspension, and Trailing Arm Rear Suspensions
  2. Semi-Trailing Arm Rear Suspension and Independent Rear Suspension
  3. Semi-Independent Rear Suspension and Rear Suspension Service
  4. Rear Shock Replacement and Rear Spring Replacement
- 



#### **OBJECTIVES:**

1. Describe solid rear axles and leaf spring suspensions.
  2. Distinguish between trailing arm and semi-trailing arm rear suspensions.
  3. Distinguish between independent and semi-independent rear suspensions.
  4. Explain rear suspension service, including replacement of rear shocks and rear springs.
- 



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

1. Task Sheet: Shock Absorber/Strut Cartridge Replacement
  2. Task Sheet: Rear Leaf Springs
  3. Task Sheet: Inspect, Remove, and Replace Suspension Components
  4. [Crossword Puzzle and Word Search](#)
  5. [Videos: ASE A4 Suspension and Steering](#)
  6. [Animations: ASE A4 Suspension and Steering](#)
- 



#### **ACTIVITIES:**

1. Task Sheet: Shock Absorber/Strut Cartridge Replacement
  2. Task Sheet: Rear Leaf Springs
  3. Task Sheet: Inspect, Remove, and Replace Suspension Components
- 



#### **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.
- 



#### **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:**

---