

# Automotive Steering, Suspension & Alignment

## Chapter 17 – Drive Shafts and CV Joints

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Driveshafts, Driveshaft Balance, U-Joint Design and Operation, and Double-Carden Joints
  2. Constant Velocity Joints
- 



#### **OBJECTIVES:**

1. Describe driveshaft design and balance.
  2. Describe the function and operation of U-joints.
  3. Discuss the two types of CV joints and how they work.
- 



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

1. Task Sheet: CV Joint Noise and Vibration Diagnosis
  2. Chapter PowerPoint
  3. [Crossword and Word Search Puzzles \(A3\)](#)
  4. [Videos: \(A3\) Manual Drive Train Axles](#)
  5. [Animations: \(A3\) Manual Drive Train Axles](#)
- 



#### **ACTIVITIES:**

1. Task Sheet: CV Joint Noise and Vibration Diagnosis
- 



#### **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:**

---