

# Automotive Technology 7<sup>th</sup> Edition

## Chapter 123 – Driveshafts and Half Shafts

### Lesson Plan



#### **CHAPTER SUMMARY:**

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



#### **OBJECTIVES:**

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



#### **RESOURCES:** (All resources may be found at jameshalderman.com)

1. Task Sheet: CV Joint Noise and Vibration Diagnosis
2. Task Sheet: Disassemble and Reassemble Transmission/Transaxle
3. Crossword Puzzle and Word Search
4. Chapter PowerPoint
5. Videos: [\(A3\) Manual Drive Train Axles Videos](#)
6. Animations: [\(A3\) Manual Drive Train Axles Animations](#)



#### **ACTIVITIES:**

1. Task Sheet: CV Joint Noise and Vibration Diagnosis
2. Task Sheet: Disassemble and Reassemble Transmission/Transaxle
3. 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.



#### **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:**