**Automotive Chassis Systems 8th Edition**

**Chapter 33 –** **Driveshafts and CV Joints**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Driveshafts, Driveshaft Balance, and U-Joint Design

2. Operation, Double-Cardan Joints, and Constant Velocity Joints

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**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.

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

1. Task Sheet: CV Joint Noise and Vibration Diagnosis

2. [Crossword Puzzle and Word Search](https://jameshalderman.com/a3_puzzles_lib_page/)

3. [Videos: ASE A3 Manual Drive Train Axles](https://jameshalderman.com/a3_vid_lib_page/)

4. [Animations: ASE A3 Manual Drive Trian Axles](https://jameshalderman.com/a3_anim_lib_page/)

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**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.

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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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