**Automotive Technology 6th Edition**

**Chapter 129 –** **Drive Shaft and CV Joint Service**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. U-joint diagnosis, driveshaft and U-joint inspection, and U-joint replacement

2. U-joint working angles, CV joint diagnosis, replacement shaft assemblies, and CV joint service

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**OBJECTIVES:**

1. Explain how to diagnose and inspect a U-joint.

2. List the steps necessary to replace a U-joint.

3. Explain how to perform a measurement of the working angles of a U-joint.

4. Diagnose problems with CV joints and describe the service procedures for replacing CV joints.

5. This chapter will help prepare for Suspension and Steering (A4) ASE certification test content area “C” (Related Suspension and Steering Service).

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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

**1.** **Task Sheet ASE (A3-E-3.2) P-1, (A3-E-3.3) P-2, (A3-E-3.4) P-2, (A3-E-3.5) P-2**: U-Joint and CV Joint Service

**2**. **Task Sheet ASE (A3-E-3.2) P-2, (A3-D-4) P-1**: Drive Axle Shaft Service

**3**. **Task Sheet ASE (A3-E-3.1) P-1**: Drive Axle Shaft Wheel Studs

4. Chapter PowerPoint

5. Chapter Crossword Puzzle and Word Search

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

7. Animations: [(A3) Manual Drive Train Axles Animations](https://jameshalderman.com/a3_anim_lib_page/)

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**ACTIVITIES:**

**1. Task Sheet ASE (A3-E-3.2) P-1, (A3-E-3.3) P-2, (A3-E-3.4) P-2, (A3-E-3.5) P-2**: Have students complete U-Joint and CV Joint Service Task Sheet.

**2**. **Task Sheet ASE (A3-E-3.2) P-2, (A3-D-4) P-1**: Have students complete Drive Axle Shaft Service Task Sheet.

**3**. **Task Sheet ASE (A3-E-3.1) P-1**: Have students complete Drive Axle Shaft Wheel Studs Task Sheet.

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**ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.

2. Complete end of chapter 10 question quiz.

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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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