**Automotive Technology 7th Edition**

**Chapter 124 – Driveshafts and Half Shafts Service**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. U-Joint Diagnosis, Driveshaft and U-Joint Inspection, U-Joint Replacement, and U-Joint Working Angles

2. CV Joint Diagnosis, and CV Joint Service

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**OBJECTIVES:**

1. Explain how to diagnose a U-joint.

2. Explain how to inspect a driveshaft and U-joint.

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

4. Explain how to measure U-joint working angles.

5. Discuss CV joint diagnosis and replacement shaft assemblies.

6. Describe the service procedures for replacing CV joints. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Task Sheet: Drive Axle Shaft Service

2. Task Sheet: Drive Axle Flange Runout and Axle End Play

3. Task Sheet: Drive Axle Shaft Wheel Studs

4. Task Sheet: Drive Axle Seals, Bearings and Retainers

5. Task Sheet: CV Joint Service

6. Crossword Puzzle and Word Search

7. Chapter PowerPoint

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

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

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**ACTIVITIES:**

1. Task Sheet: Drive Axle Shaft Service

2. Task Sheet: Drive Axle Flange Runout and Axle End Play

3. Task Sheet: Drive Axle Shaft Wheel Studs

4. Task Sheet: Drive Axle Seals, Bearings and Retainers

5. Task Sheet: CV Joint Service

6. Crossword Puzzle and Word Search

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**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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