

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



#### **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](#)
9. Animations: [\(A3\) Manual Drive Train Axles Animations](#)



#### **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



#### **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:**