

Automotive Technology 6th Edition

Chapter 128 – Drive Shafts and Joints

Lesson Plan



CHAPTER SUMMARY:

1. Drive shafts, driveshaft balance, and U-joint design and diagnosis
 2. 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
 4. This chapter will help prepare for Suspension and Steering (A4) ASE certification test content area “C” (Suspension and Steering Service).
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. **Task Sheet ASE (A3-D-1) P-2, (A3-D-2) P-2, (A3-D-5) P-2:** CV Joint Noise and Vibration Diagnosis
 2. Chapter PowerPoint
 3. Chapter Crossword Puzzle and Word Search
 4. Animations: Assemble Universal Joint, CV Joint, and Universal Joint Operation
 5. Animations: FWD Driveshaft Operation and FWD Driveshaft Operation
 6. Videos: Yordak CV joint (time 0:17), U-joint (time 0:28), and CV joint (time 0:37)
 7. Videos: Tripoid joint (time 1:38) and Driveshaft runout (time 1:24)
 8. Videos: Driveshaft angles (time 8:35) and CV axle (time 8:37)
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ACTIVITIES:

1. **Task Sheet ASE (A3-D-1) P-2, (A3-D-2) P-2, (A3-D-5) P-2:** Have students complete CV Joint Noise and Vibration Diagnosis 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:
