**Automotive Technology 6th Edition**

**Chapter 126 –** **Clutches**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Purpose and function of a clutch and component parts and operation of a clutch assembly

2. Clutch problem diagnosis, clutch replacement, clutch pedal adjustment, and hydraulic clutch service

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**OBJECTIVES:**

1. Explain the purpose, function, and operation of a clutch.

2. Describe diagnose clutch problems and how to replace a clutch.

3. Explain how to adjust the clutch pedal.

4. Explain how to bleed a hydraulic clutch system

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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-B-1) P-1**: Diagnose Clutch Concerns

**2**. **Task Sheet ASE(A3-B-2) P-1**: Clutch Linkage Inspection

**3**. **Task Sheet ASE(A3-B-3) P-1**: Inspect/Replace Clutch Components

**4**. **Task Sheet ASE (A3-B-4) P-1**: Bleed Clutch Hydraulic System

**5**. **Task Sheet ASE (A3-B-5) P-1**: Clutch Master Cylinder Fluid Level

**6**. **Task Sheet ASE (A3-B-6) P-1**: Flywheel and Ring Gear Inspection

**7**. **Task Sheet ASE (A3-B-7) P-2**: Flywheel Runout

**8**. **Task Sheet ASE (A3-B-8) P-3**: Dual-Mass Flywheel

9. Chapter PowerPoint

10. Chapter Crossword Puzzle and Word Search

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

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

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**ACTIVITIES:**

**1. Task Sheet ASE (A3-B-1) P-1**: Have students complete Diagnose Clutch Concerns Task Sheet.

**2**. **Task Sheet ASE(A3-B-2) P-1**: Have students complete Clutch Linkage Inspection Task Sheet.

**3**. **Task Sheet ASE(A3-B-3) P-1**: Have students complete Inspect/Replace Clutch Components Task Sheet.

**4**. **Task Sheet ASE (A3-B-4) P-1**: Have students complete Bleed Clutch Hydraulic System Task Sheet.

**5**. **Task Sheet ASE (A3-B-5) P-1**: Have students complete Clutch Master Cylinder Fluid Level Task Sheet.

**6**. **Task Sheet ASE (A3-B-6) P-1**: Have students complete Flywheel and Ring Gear Inspection Task Sheet.

**7**. **Task Sheet ASE (A3-B-7) P-2**: Have students complete Flywheel Runout Task Sheet.

**8**. **Task Sheet ASE (A3-B-8) P-3**: Have students complete Dual-Mass Flywheel Task Sheet. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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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