

Manual Drivetrains and Axles 9th Edition

Chapter 3 – Clutch Components and Operation



CHAPTER SUMMARY:

1. Parts Involved, Clutch Operation, Clutch Discs, Pressure Plates, and Flywheels
 2. Dual-Mass Flywheels, Pilot Bearings, Clutch Pedal Linkage, and Release (Throwout) Bearing
 3. Clutch Pedal Switch
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OBJECTIVES:

1. List the major parts that are included in the clutch system.
 2. Describe how the clutch works.
 3. Explain how a dual mass flywheel works.
 4. Describe how a hydraulic clutch system works.
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. Task Sheet: Clutch Identification
 2. Chapter PowerPoint
 3. Crossword Puzzle and Word Search
 4. Videos: [\(A3\) Manual Drive Train Axles Videos](#)
 5. Animations: [\(A3\) Manual Drive Train Axles Animations](#)
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ACTIVITIES:

1. Task Sheet: Clutch Identification
 2. Crossword Puzzle and Word Search
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ASSIGNMENTS:

1. Chapter crossword and word search puzzles.
 2. Complete end of chapter 10 question quiz.
 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:
