

Manual Drivetrains and Axles 9th Edition

Chapter 8 – Manual Transmission/Transaxle Diagnosis and Service



CHAPTER SUMMARY:

1. Preventive Maintenance and Manual Transmission/Transaxle Diagnosis
 2. Transaxle/Transmission Removal and Transaxle/Transmission Overhaul
 3. Transmission Disassembly, Shift Mechanism, and Case and Covers
-



OBJECTIVES:

1. Explain how to perform transaxle/transmission maintenance operations.
 2. Explain manual transaxle/transmission diagnosis.
 3. Discuss the procedure for transaxle/ transmission removal and replacement.
 4. Discuss the procedure for transaxle/ transmission overhaul.
-



RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. Task Sheet: Diagnose Drive Train Concerns
 2. Task Sheet: Diagnose Fluid Condition & Loss
 3. Task Sheet: Drain and Fill Manual Transmission/Transaxle
 4. Task Sheet: Remove and Replace Transmission/Transaxle
 5. Task Sheet: Disassemble/Reassemble Transmission/Transaxle
 6. Task Sheet: Manual Transmission Noise/Shifting Diagnosis
 7. Task Sheet: Manual Transmission/Transaxle Linkage
 8. Task Sheet: Transaxle Final Drive Noise Diagnosis
 8. Chapter PowerPoint
 9. Crossword Puzzle and Word Search
 10. Videos: [\(A3\) Manual Drive Train Axles Videos](#)
 11. Animations: [\(A3\) Manual Drive Train Axles Animations](#)
-



ACTIVITIES:

1. Task Sheet: Diagnose Drive Train Concerns
 2. Task Sheet: Diagnose Fluid Condition & Loss
 3. Task Sheet: Drain and Fill Manual Transmission/Transaxle
 4. Task Sheet: Remove and Replace Transmission/Transaxle
 5. Task Sheet: Disassemble/Reassemble Transmission/Transaxle
 6. Task Sheet: Manual Transmission Noise/Shifting Diagnosis
 7. Task Sheet: Manual Transmission/Transaxle Linkage
 8. Task Sheet: Transaxle Final Drive Noise Diagnosis
 9. Crossword Puzzle and Word Search
-



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.
-

Manual Drivetrains and Axles 9th Edition

Chapter 8 – Manual Transmission/Transaxle Diagnosis and Service



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:

