

Automatic Transmissions and Transaxles 8th Edition

Chapter 4 – Automatic Transmission/Transaxle Hydraulic System

Lesson Plan



CHAPTER SUMMARY:

1. The Hydraulic System, Hydraulic Principles, Pumps, Hydraulic Valves, and Valve Body
2. Pressure Regulation, Manual Valve, and Hydraulic Seals



OBJECTIVES:

1. Discuss hydraulic principles and Pascal's law.
2. Describe the types and operation of automatic transmission/transaxle pumps.
3. Explain the different methods for controlling fluid flow and regulating pressure.
4. Identify the types of hydraulic seals.



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

1. Task Sheet: Inspect Oil Pump Assembly
2. Chapter PowerPoint
3. Crossword Puzzle and Word Search
4. Videos: [\(A2\) Automatic Transmissions and Transaxles Videos](#)
5. Animations: [\(A2\) Automatic Transmissions and Transaxles Animations](#)



ACTIVITIES:

1. Task Sheet: Inspect Oil Pump Assembly
2. 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.



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: