

Automatic Transmissions and Transaxles 8th Edition

Chapter 5 – Hydraulic Control Valves and Solenoids

Lesson Plan



CHAPTER SUMMARY:

1. Hydraulically Controlled Transmissions, Shift Valves, Shift Quality, and Controlling Fluid Flow
2. Transmission Solenoids



OBJECTIVES:

1. Describe the types and operation of automatic transmission/transaxle valves.
2. Discuss accumulators and orifices as used in an automatic transmission/transaxle hydraulic system.
3. Explain the operation of automatic transmission solenoids.
4. Describe how a pressure control solenoid (PCS) controls fluid pressure.



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

1. Task Sheet: Inspect Servo Bore, Piston, and Seals
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 Servo Bore, Piston, and Seals
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: