**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

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**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](https://jameshalderman.com/a2_vid_lib_page/)

5. Animations: [(A2) Automatic Transmissions and Transaxles Animations](https://jameshalderman.com/a2_anim_lib_page/)

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**ACTIVITIES:**

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

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:**

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