

Automotive Technology 7th Edition

Chapter 128 – Automatic Transmission/Transaxle Principles

Lesson Plan



CHAPTER SUMMARY:

1. Torque Converters, Lockup Torque Converter, Shift Modes, and Planetary Gear Sets
2. Compound Planetary Gear Set, Automatic Transaxles, and Nonplanetary Gear Automatic Transaxles



OBJECTIVES:

1. Explain the purpose, function, and operation of torque converters.
2. Explain the purpose, function, and operation of lockup torque converters.
3. Describe the various shift modes.
4. Discuss planetary gear sets.
5. Discuss compound planetary gear sets.
6. Discuss automatic transaxles.
7. Discuss nonplanetary gear automatic transaxles.



RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: Automatic Transmission/Transaxle Identification
2. Task Sheet: Drivetrain Identification
3. Crossword Puzzle and Word Search
4. Chapter PowerPoint
5. Videos: [\(A2\) Automatic Transmissions and Transaxles Videos](#)
6. Animations: [\(A2\) Automatic Transmissions and Transaxles Animations](#)



ACTIVITIES:

1. Task Sheet: Automatic Transmission/Transaxle Identification
2. Task Sheet: Drivetrain Identification
3. Crossword Puzzle and Word Search



ASSIGNMENTS:

1. Chapter crossword and word search puzzles from the website.
2. Complete end of chapter quiz from the textbook.
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: