**Automatic Transmissions and Transaxles 8th Edition**

**Chapter 13 –** **Continuously Variable Transmissions**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Continuously Variable Transmission (CVT), Construction, and CVT Electronic Controls

2. CVT Operation, CVT Torque Converter, Honda CVT, Pressure Testing a CVT, and CVT Fluid

3. CVT Noise Issues and CVT Related Diagnostic Trouble Codes

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**OBJECTIVES:**

1. Describe the construction of a continuously variable transmission and discuss its advantages and disadvantages.

2. Discuss the electronic controls and operation of a CVT.

3. Explain the diagnosis of a CVT, including pressure testing and CVT fluid and noise issues. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Task Sheet: Continuously Variable Transmission

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: Continuously Variable Transmission

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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