**Automotive Technology 7th Edition**

**Chapter 132 – Automatic Transmission/Transaxle Diagnosis and In-Vehicle Service**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Transmission Problem Diagnosis, Transmission Fluid Leak Diagnosis, and In-Vehicle Service

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**OBJECTIVES:**

1. Explain the process of diagnosing transmission problems.

2. Describe how to diagnose transmission fluid leaks.

3. Discuss the procedures for performing in-vehicle service. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Task Sheet: Check Fluid Level and Condition

2. Task Sheet: Non-Dipstick Fluid Condition & Loss

3. Task Sheet: Torque Converter Stall Test

4. Task Sheet: Torque Converter Lock-Up Test

5. Task Sheet: Inspect/Replace Powertrain Mounts

6. Task Sheet: Service Automatic Transmission/Transaxle

7. Task Sheet: Inspect and Adjust or Replace Linkages

8. Task Sheet: Noise and Vibration Diagnosis

9. Task Sheet: Electronic Transmission Control System Diagnosis

10. Task Sheet: Inspect and/or Replace Powertrain Mounts

11. Task Sheet: Diagnose Fluid Loss

11. Crossword Puzzle and Word Search

12. Chapter PowerPoint

13. Videos: [(A2) Automatic Transmissions and Transaxles Videos](https://jameshalderman.com/a2_vid_lib_page/)

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

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**ACTIVITIES:**

1. Task Sheet: Check Fluid Level and Condition

2. Task Sheet: Non-Dipstick Fluid Condition & Loss

3. Task Sheet: Torque Converter Stall Test

4. Task Sheet: Torque Converter Lock-Up Test

5. Task Sheet: Inspect/Replace Powertrain Mounts

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9. Task Sheet: Electronic Transmission Control System Diagnosis

10. Task Sheet: Inspect and/or Replace Powertrain Mounts

11. Task Sheet: Diagnose Fluid Loss

11. Crossword Puzzle and Word Search

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**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.

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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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