

Automatic Transmissions and Transaxles 8th Edition

Chapter 15 – Transmission Condition Diagnosis

Lesson Plan



CHAPTER SUMMARY:

1. The Diagnostic Process, Step 1 Verify the Customer Concern, and Step 2 Fluid Level and Condition
2. Step 3 Retrieve Diagnostic Trouble Codes, Step 4 Check for TSBs, and Step 5 Scan Tool Testing
3. Step 6 Visual Inspections, and Step 7 Find the Root Cause

OBJECTIVES:



1. Outline the procedures involved in the first step of the automatic transmission diagnostic process verifying customer concern.
2. Outline the procedures involved in the second step of the automatic transmission diagnostic process fluid level and condition.
3. Outline the procedures involved in the third and fourth steps of the automatic transmission diagnostic process retrieving diagnostic trouble codes and checking for technical service bulletins.
4. Outline the procedures involved in the fifth step of the automatic transmission diagnostic process scan tool testing.
5. Outline the procedures involved in the sixth step of the automatic transmission diagnostic process visual inspections.
6. Outline the procedures involved in the seventh step of the automatic transmission diagnostic process finding the root cause.

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



1. Task Sheet: Engine Performance/ Transmission Concern
2. Task Sheet: Diagnose Fluid Loss
3. Task Sheet: Check Fluid Level
4. Task Sheet: Pressure Test Automatic Transmission
5. Task Sheet: Noise and Vibration Diagnosis
6. Task Sheet: Electronic Transmission Scan Tool Diagnosis
7. Chapter PowerPoint
8. Crossword Puzzle and Word Search
9. Videos: [\(A2\) Automatic Transmissions and Transaxles Videos](#)
10. Animations: [\(A2\) Automatic Transmissions and Transaxles Animations](#)

ACTIVITIES:



1. Task Sheet: Engine Performance/ Transmission Concern
 2. Task Sheet: Diagnose Fluid Loss
 3. Task Sheet: Check Fluid Level
 4. Task Sheet: Pressure Test Automatic Transmission
 5. Task Sheet: Noise and Vibration Diagnosis
 6. Task Sheet: Electronic Transmission Scan Tool Diagnosis
 7. 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:
