

Advanced Engine Performance Diagnosis 8th Edition

Chapter 25 – Electronic Transmission Controls

Lesson Plan

CHAPTER SUMMARY:



1. Transmission Control Module, Sensors, Transmission Solenoids, and Adaptive Strategies
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OBJECTIVES:



1. Explain how the automatic transmissions/transaxles are controlled electronically.
 2. Explain the function of sensors and switches for electronic control of transmission.
 3. Identify the types of transmission solenoids.
 4. Explain how shift solenoids control hydraulic pressure.
 5. Discuss adaptive strategies and controls for electronically controlled automatic transmissions/transaxles.
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RESOURCES: (All resources may be found at jameshalderman.com)



1. Task Sheet: Diagnose Electrical/Electronic Concerns
 2. Task Sheets: Electronic Transmission Scan Tool Diagnosis
 3. Chapter PowerPoint
 4. Crossword and Word Search Puzzles
 5. Videos: (A2) In-Vehicle Transmission/Transaxle Maintenance and Repair
 6. Animations: (A2) In-Vehicle Transmission/Transaxle Maintenance and Repair
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ACTIVITIES:



1. Task Sheet: Diagnose Electrical/Electronic Concerns
 2. Task Sheets: Electronic Transmission Scan Tool Diagnosis
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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:

