

Automotive Technology 7th Edition

Chapter 85 – Strategy-Based Diagnosis

Lesson Plan



CHAPTER SUMMARY:

1. Eight-Step Diagnostic Procedure, Scan Tools, and Retrieval of Diagnostic Information
 2. Troubleshooting Using Diagnostic Trouble Codes, and Manufacturer's Diagnostic Routines
 3. Completing System Repairs
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OBJECTIVES:

1. List the steps of the diagnostic process.
 2. Discuss the types of scan tools that are used to assess vehicle components.
 3. Explain how to retrieve diagnostic information and how to use DTCs.
 4. Explain the troubleshooting procedures to follow if a diagnostic trouble code has been set.
 5. Explain manufacturer's diagnostic routines.
 6. Discuss completing system repairs, including resetting the PCM and road test (drive cycle).
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RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: No-Code Diagnosis of Driveability Concerns
 2. Crossword Puzzle and Word Search
 3. Chapter PowerPoint
 3. Videos: [\(A8\) Engine Performance Videos](#)
 4. Animations: [\(A8\) Engine Performance Animations](#)
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ACTIVITIES:

1. Task Sheet: No-Code Diagnosis of Driveability Concerns
 2. 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:
