

Automotive Electrical and Engine Performance - 9th edition

Ch35: Fuel-Injection Parts and Operation

Lesson Plan



CHAPTER SUMMARY:

1. Electronic Fuel Injection, Types of Fuel Injection, Fuel-Pressure Regulator, and Fuel Injectors
 2. Fuel-Injection Modes of Operation and Idle Control
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OBJECTIVES:

1. Describe how electronic fuel injection works.
 2. Describe types of fuel injection.
 3. Explain the different methods used to regulate fuel pressure.
 4. Discuss fuel injectors.
 5. Discuss fuel-injection modes of operation.
 6. Describe idle control systems.
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RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: Modes of Fuel Injection Operation
 2. Task Sheet: Idle Air Control
 3. Crossword Puzzle and Word Search
 4. Videos: (A8) Engine Performance Videos
 5. Animations: (A8) Engine Performance Animations
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ACTIVITIES:

1. Task Sheet: Modes of Fuel Injection Operation
 2. Task Sheet: Idle Air Control
 3. Chapter PowerPoint
 4. 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. Ten (10) question end of [Chapter Quiz](#).
 3. Five (5) end of chapter [Review Question](#) for class discussion.
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NOTES AND EVALUATION:
