**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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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:**

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