**Automotive Technology 7th Edition**

**Chapter 75 – 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. Chapter PowerPoint

4. Crossword Puzzle and Word Search

5. Videos: [(A8) Engine Performance Videos](https://jameshalderman.com/a8_vid_lib_page/)

6. Animations: [(A8) Engine Performance Animations](https://jameshalderman.com/a8_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Modes of Fuel Injection Operation

2. Task Sheet: Idle Air Control

3. 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:**

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