

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



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](#)
6. Animations: [\(A8\) Engine Performance Animations](#)



ACTIVITIES:

1. Task Sheet: Modes of Fuel Injection Operation
2. Task Sheet: Idle Air Control
3. Crossword Puzzle and Word Search



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.



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](#).



NOTES AND EVALUATION:
