

Automotive Technology 7th Edition

Chapter 70 – Computer Fundamentals

Lesson Plan



CHAPTER SUMMARY:

1. Computer Fundamentals, Computer Functions, Digital Computers, and Computer Input Sensors
2. Computer Outputs



OBJECTIVES:

1. Explain the purpose and function of onboard computers.
2. Explain the parts and characteristics of digital computers.
3. List input sensors to an automotive computer and output devices (actuators) controlled by the computer.



RESOURCES: (All resources may be found at jameshalderman.com)

1. Task Sheet: PCM Actuators Diagnosis
2. Chapter PowerPoint
3. Crossword Puzzle and Word Search
4. Videos: [\(A8\) Engine Performance Videos](#)
5. Animations: [\(A8\) Engine Performance Animations](#)



ACTIVITIES:

1. Task Sheet: PCM Actuators Diagnosis
2. 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: