

Advanced Engine Performance Diagnosis 7th Edition

Chapter 9 – CAN and Network Communications

Lesson Plan



CHAPTER SUMMARY:

1. Module Communications and Networks and Network Fundamentals
 2. Module Communications Configuration and Network Communications Classifications
 3. General Motors Communications Protocols and Ford Network Communications Protocols
 4. Chrysler Communications Protocols, Network Area Network, and Honda/Toyota Communications
 5. European BUS Communications, OBD-II Data Link Connector, and Network Communications Diagnosis
-



OBJECTIVES:

1. Explain the advantages of connecting modules together in a network.
 2. Describe the types of networks and serial communications used on vehicles.
 3. Discuss how the networks connect to the data link connector and to other modules in various types of protocols.
 4. Explain how to diagnose module communication faults.
-



RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Module Identification and Status
 2. Task Sheet: Module Communication
 3. Chapter PowerPoint
 4. [Crossword and Word Search Puzzles](#)
 5. [Videos: \(A6\) Electrical/Electronic Systems](#)
 6. [Animations: \(A6\) Electrical/Electronic Systems](#)
-



ACTIVITIES:

1. Task Sheet: Module Identification and Status
 2. Task Sheet: Module Communication
-



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:
