

Automotive Electricity and Electronics

Chapter 17 – CAN and Network Communications

Lesson Plan



CHAPTER SUMMARY:

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

1. Discuss how networks connect to the data link connector and to other modules.
 2. Describe the types of networks and serial communications used on vehicles.
 3. Describe the features of a controller area network.
 4. Compare the network communications of common U.S., Asian, and European vehicle brands.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

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

1. Task Sheet: Module Identification and Status
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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:
