

Automotive Electricity and Electronics

Chapter 5 – Electrical Circuits and Ohm's Law

Lesson Plan

CHAPTER SUMMARY:

1. Circuits, Circuit Fault Types, Ohm's Law, and Watt's Law,
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OBJECTIVES:

1. Identify the parts of a complete circuit.
 2. Describe the characteristics of different types of circuit faults.
 3. Explain Ohm's law as it applies to automotive circuits.
 4. Explain Watt's law as it applies to automotive circuits.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Electrical Circuits
 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: Electrical Circuits
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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:

