

# Automotive Electrical and Engine Performance - 9th edition

## Ch3: 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://jameshalderman.com))



1. Task Sheet: Electrical Circuits
  2. Crossword Puzzle and Word Search
  3. Videos: (A6) Electrical/Electronic Systems Videos
  4. Animations: (A6) Electrical/Electronic Systems Animations
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#### **ACTIVITIES:**



1. Task Sheet: Electrical Circuits
  2. Chapter PowerPoint
  3. Crossword Puzzle and Word Search
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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. Ten (10) question end of [Chapter Quiz](#).
  3. Five (5) end of chapter [Review Question](#) for class discussion.
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#### **NOTES AND EVALUATION:**

