

Automotive Electricity and Electronics

Chapter 6 – Series Circuits

Lesson Plan

CHAPTER SUMMARY:



1. Series Circuits, Ohm's Law and Series Circuits, and Kirchhoff's Law
 2. Voltage Drops, Series Circuit Laws, and Series Circuit Example
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OBJECTIVES:



1. Explain series circuits laws and discuss series circuit examples.
 2. Diagnose electrical/electronic integrity for series, parallel, and series-parallel circuits using Ohm's law.
 3. Explain Kirchhoff's voltage law.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))



1. Task Sheet: Series Circuit Worksheet #1
 2. Task Sheet: Series Circuit Worksheet #2
 3. Task Sheet: Series Circuit Worksheet #3
 4. Chapter PowerPoint
 5. [Crossword and Word Search Puzzles \(A6\)](#)
 6. [Videos: \(A6\) Electrical/Electronic Systems](#)
 7. [Animations: \(A6\) Electrical/Electronic Systems](#)
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ACTIVITIES:



1. Task Sheet: Series Circuit Worksheet #1
 2. Task Sheet: Series Circuit Worksheet #2
 3. Task Sheet: Series Circuit Worksheet #3
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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:

