

Automotive Technology 7th Edition

Chapter 36 – Electrical Fundamentals

Lesson Plan



CHAPTER SUMMARY:

1. Electricity, How Electrons Move Through a Conductor, Units of Electricity, and Sources of Electricity
2. Conductors, Resistance, and Resistors



OBJECTIVES:

1. Discuss the fundamentals of electricity.
2. Explain how electrons move through a conductor.
3. Explain the units of electrical measurement, and discuss the relationship among volts, amperes, and ohms.
4. Discuss the different sources of electricity.
5. Explain conductors and resistance.
6. Describe the function of resistors.



RESOURCES: (All resources may be found at jameshalderman.com)

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



ACTIVITIES:

1. Task Sheet: Electrical Fundamentals
2. Crossword Puzzle and Word Search



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: