

Automotive Technology 7th Edition

Chapter 47 – Automotive 12-Volt Batteries

Lesson Plan



CHAPTER SUMMARY:

1. Battery Construction, How a Battery Works, Specific Gravity, and Battery Construction Types
2. Causes and Types of Battery Failure, Battery Rating, and Battery Sizes



OBJECTIVES:

1. Describe the purpose and function of a battery.
2. Describe the construction of a battery.
3. Describe how a battery works.
4. Discuss specific gravity and how charge indicators work.
5. Discuss battery construction types, including valve-regulated batteries.
6. Describe the causes and types of battery failure.
7. List battery ratings.
8. List battery sizes.



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

1. Task Sheet: Battery Specifications
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: Battery Specifications
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: