

Automotive Technology 6th Edition

Chapter 46 – Capacitance and Capacitors

Lesson Plan



CHAPTER SUMMARY:

1. Capacitance
 2. Capacitor construction and operation
 3. Factors of capacitance and uses for capacitors
 4. Capacitors in circuits
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OBJECTIVES:

1. Explain capacitance and the construction and operation of capacitors, and factors of capacitance.
 2. Explain the uses of capacitors and discuss capacitors in series and parallel circuits.
 3. This chapter will help you prepare for the ASE Electrical/Electronic Systems (A6) certification test content area "A" (General Electrical/ Electronic System Diagnosis)
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. **Task Sheet ASE (A6-G-3) P-3:** Blower Motor Radio Noise
 2. Chapter PowerPoint
 3. Chapter Crossword Puzzle and Word Search
 4. Animations: Capacitor
 6. Videos: Basics of Capacitors (time 8:19) and The Capacitor (time 8:00)
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ACTIVITIES:

1. **Task Sheet ASE (A6-G-3) P-3:** Have students complete Blower Motor Radio Noise Task Sheet.
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ASSIGNMENTS:

1. Chapter crossword and word search puzzles.
 2. Complete end of chapter 10 question quiz.
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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:
