

Automotive Heating and Air Conditioning 9th Edition

Chapter 7 – Air Management System

Lesson Plan



CHAPTER SUMMARY:

1. Terminology, Airflow Control, Air Temperature Control, Air Filter, and Housing and Ducts
 2. Plenum and Control Doors, Nonelectrical HVAC Controls, and Electronic HVAC Controls
 3. Blower Motor
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OBJECTIVES:

1. Prepare for ASE Heating and Air Conditioning (A7) certification test content area “B” (Refrigeration System Component Diagnosis and Repair).
 2. Discuss the different components of an air management system.
 3. Explain airflow control and air temperature control in an A/C system.
 4. Discuss plenum and control doors.
 5. Explain nonelectrical and electronic HVAC controls.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: HVAC Electrical Controls
 2. Task Sheet: Blower Motor Diagnosis
 3. Task Sheet: A/C and Heater Controls
 4. Task Sheet: Receiver Drier & Accumulator Drier
 5. Task Sheet: HVAC Ducts and Doors
 6. Chapter PowerPoint
 7. [Crossword Puzzle and Word Search \(A7\)](#)
 8. [Videos: \(A7\) Heating & Air Conditioning](#)
 9. [Animations: \(A7\) Heating & Air Conditioning](#)
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ACTIVITIES:

1. Task Sheet: HVAC Electrical Controls
 2. Task Sheet: Blower Motor Diagnosis
 3. Task Sheet: A/C and Heater Controls
 4. Task Sheet: Receiver Drier & Accumulator Drier
 5. Task Sheet: HVAC Ducts and Doors
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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:
