

Automotive Technology 7th Edition

Chapter 62 – 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, HVAC Controls, and Blower Motor



OBJECTIVES:

1. Discuss the different components of an air management system.
2. Explain airflow control in an A/C system.
3. Explain air temperature control in an A/C system.
4. Describe air filtration in an A/C system.
5. Describe housing and ducts in an A/C system.
6. Discuss plenum and control doors.
7. Explain nonelectrical and electronic HVAC controls.
8. Describe the blower motor.



RESOURCES: (All resources may be found at 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: HVAC Ducts and Doors
5. Chapter PowerPoint
6. Crossword Puzzle and Word Search
7. Videos: [\(A7\) Heating & Air Conditioning Videos](#)
8. Animations: [\(A7\) Heating & Air Conditioning Animations](#)



ACTIVITIES:

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