

Automotive Engines Theory and Servicing 10th Edition

Chapter 6 – Power Tools and Shop Equipment

Lesson Plan



CHAPTER SUMMARY:

1. Air Compressor, Air and Electrically Operated Tools, Trouble Lights, and bench/Pedestal Grinder
 2. Bench Vise, Hydraulic Presses, Portable Crane and Chain Hoist, and Engine Stands
 3. Care and Maintenance of Shop Equipment
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OBJECTIVES:

1. Describe the purpose of the air compressor, and other air and electrically operated tools.
 2. Compare the different types of trouble lights.
 3. Describe the purpose of the bench/pedestal grinder and the bench vise.
 4. Discuss the purpose of hydraulic presses, portable crane and chain hoist, and engine stands.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Power and Shop Equipment Safety Survey
 2. Chapter PowerPoint
 3. [Crossword Puzzle and Word Search \(A0\)](#)
 4. [Videos: \(A0\) Automotive Fundamentals](#)
 5. [Animations: \(A0\) Automotive Fundamentals](#)
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ACTIVITIES:

1. Task Sheet: Power and Shop Equipment Safety Survey
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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:
