

Automotive Technology 7th Edition

Chapter 22 – Turbocharging and Supercharging

Lesson Plan



CHAPTER SUMMARY:

1. Forced Induction Principles, Superchargers, Turbochargers, and Turbocharger Failures
2. Boost Control



OBJECTIVES:

1. Discuss airflow requirements and volumetric efficiency of engines.
2. Explain forced induction principles.
3. Discuss superchargers.
4. Discuss turbochargers and turbocharger failures.
5. Explain boost control.



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

1. Task Sheet: Turbocharger & Supercharger Systems
2. Chapter PowerPoint
3. Crossword Puzzle and Word Search
4. Videos: [\(A1\) Engine Repair Videos](#)
5. Animations: [\(A1\) Engine Repair Animations](#)



ACTIVITIES:

1. Task Sheet: Turbocharger & Supercharger Systems
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:
