

Automotive Technology 7th Edition

Chapter 82 – Catalytic Converters

Lesson Plan



CHAPTER SUMMARY:

1. Catalytic Converters, OBD-II Catalytic Converter Performance, and Diagnosing Catalytic Converters
2. Catalytic Converter Replacement Guidelines



OBJECTIVES:

1. Explain the purpose, function, construction, and operation of catalytic converters.
2. Describe catalytic converter performance in OBD-II vehicles.
3. Discuss the diagnosis of catalytic converters.
4. Discuss the replacement of catalytic converters.



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

1. Task Sheet: Exhaust System Backpressure Test
2. Task Sheet: Catalytic Converter Test
3. Crossword Puzzle and Word Search
4. Chapter PowerPoint
5. Videos: [\(A8\) Engine Performance Videos](#)
6. Animations: [\(A8\) Engine Performance Animations](#)



ACTIVITIES:

1. Task Sheet: Exhaust System Backpressure Test
2. Task Sheet: Catalytic Converter Test
3. 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: