**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

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**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](https://jameshalderman.com/a8_vid_lib_page/)

6. Animations: [(A8) Engine Performance Animations](https://jameshalderman.com/a8_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Exhaust System Backpressure Test

2. Task Sheet: Catalytic Converter Test

3. Crossword Puzzle and Word Search

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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:**

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