**Automotive Technology 6th Edition**

**Chapter 88 –** **Catalytic Converters**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Catalytic converters and OBD-II catalytic converters performance

2. Diagnosing catalytic converters and 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 and replacement of catalytic converters.

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**RESOURCES:** (All resources may be found at <http://www.jameshalderman.com>) Internet access required to hyperlink.

**1.** **Task Sheet ASE (A8-A-5) P-1, (A8-D-11) P-2**: Exhaust System Backpressure Test

**2**. **Task Sheet ASE (A8-E-6) P-2**: Catalytic Converter Test

3. Chapter PowerPoint

4. Chapter Crossword Puzzle and Word Search

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 ASE (A8-A-5) P-1, (A8-D-11) P-2**: Have students complete Exhaust System Backpressure Test Task Sheet.

**2**. **Task Sheet ASE (A8-E-6) P-2**: Have students complete Catalytic Converter Test Task Sheet.

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**ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.

2. Complete end of chapter 10 question quiz.

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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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