

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](#)
 6. Animations: [\(A8\) Engine Performance Animations](#)
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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:
