

Advanced Engine Performance Diagnosis 7th Edition

Chapter 11 – Global OBD-II and Mode \$06

Lesson Plan

CHAPTER SUMMARY:



1. What is Global OBD II, Global OBD II Modes, and Diagnosing Problems Using Mode \$06
 2. Accessing Global OBD II, Mode \$06, and Oxygen Sensor Heater Mode \$06 Test (GM)
 3. Engine Misfire Tests (Ford) and Ford Oxygen Sensor Mode \$06 Test
 4. GM CAN Oxygen Sensor Mode \$06 Test and Ford EGR Test
 5. GM Catalyst Efficiency Test, GM EVAP Test (CAN), and Permanent Codes
 6. Where to Get Mode \$06 Information
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OBJECTIVES:



1. Explain Global OBD II and its modes of operation.
 2. List the steps for diagnosing problems using mode \$06.
 3. Access global OBD II on a scan tool.
 4. Describe how mode \$06 can be used to identify a problem.
 5. Explain how to convert raw numbers to usable data for various types of mode \$06 tests.
 6. Describe permanent fault codes and how to clear them.
 7. State where mode \$06 information can be obtained.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))



1. Task Sheet: Global OBD II
 2. Task Sheet: Mode \$06 Diagnosis
 3. Chapter PowerPoint
 4. [Crossword and Word Search Puzzles](#)
 5. [Videos: \(A8\) Engine Performance](#)
 6. [Animations: \(A8\) Engine Performance](#)
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ACTIVITIES:



1. Task Sheet: Global OBD II
 2. Task Sheet: Mode \$06 Diagnosis
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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:

