

Advanced Engine Performance Diagnosis 6/E


Chapter 11 Global OBD II & Mode \$06

Opening Your Class

KEY ELEMENT	EXAMPLES
Introduce Content	This course or class provides complete coverage of the components, operation, design, and troubleshooting. It correlates material to task lists specified by ASE and NATEF and emphasizes a problem-solving approach. Chapter features include Tech Tips, Frequently Asked Questions, Real World Fixes, Videos, Animations, and NATEF Task Sheet references.
Motivate Learners	Explain how the knowledge of how something works translates into the ability to use that knowledge to figure why the engine does not work correctly and how this saves diagnosis time, which translates into more money.
State the learning objectives for the chapter or course you are about to cover and explain this is what they should be able to do as a result of attending this session or class.	Explain the chapter learning objectives to the students. 1. Access global OBD II on a scan tool. 2. Identify mode \$06 diagnostic steps. 3. Describe how mode \$06 can be used to identify a problem. 4. Explain how to convert raw numbers to usable data.
Establish the Mood or Climate	Provide a <i>WELCOME</i> , Avoid put downs and bad jokes.
Complete Essentials	Restrooms, breaks, registration, tests, etc.
Clarify and Establish Knowledge Base	Do a round robin of the class by going around the room and having each student give their backgrounds, years of experience, family, hobbies, career goals, or anything they want to share.

NOTE: This lesson plan is based on [Advanced Engine Performance Diagnosis 6/E Chapter Images](#) found on Jim's web site @ www.jameshalderman.com

LINK CHP 11: [Chapter Images](#)

ICONS	Ch11 Global OBD II & Mode \$06
	<p>1. SLIDE 1 CH11 Global OBD II & Mode \$06</p> <p>Check for ADDITIONAL VIDEOS & ANIMATIONS @ http://www.jameshalderman.com/ WEB SITE REGULARLY UPDATED</p> <p>At the beginning of this class, you can download the crossword puzzle & Word Search from the links below to familiarize your class with the terms in this chapter & then discuss them</p> <p>Crossword Puzzle (Microsoft Word) (PDF) Word Search Puzzle (Microsoft Word) (PDF)</p> <p>2. SLIDE 2 EXPLAIN Figure 11-1 Global OBD II can be accessed from the main menu on all aftermarket and some original equipment scan tools.& KEY TERMS</p> <p><u>DISCUSS FREQUENTLY ASKED QUESTIONS</u> <u>PAGES 157 & 158</u></p> <p>3. SLIDE 3 EXPLAIN Figure 11-2 Problems Using Mode Six</p> <p><u>DISCUSSION: HAVE THE STUDENTS TALK ABOUT MODE SIX INFORMATION. WHAT IS MODE SIX DATA, AND HOW CAN IT BE USEFUL FOR DIAGNOSIS?</u></p> <p>EXPLAIN TECH TIP ON PAGE 162</p> <p><u>HANDS-ON TASK: HAVE THE STUDENTS CONNECT AN ENHANCED SCAN TOOL TO A LAB VEHICLE OR THEIR OWN VEHICLES. HAVE THEM ACCESS OEM DATA & LIST AVAILABLE PARAMETERS. HAVE THEM ACCESS GENERIC OBD-II DATA AND CREATE SIMILAR LIST FOR COMPARISON.</u></p>