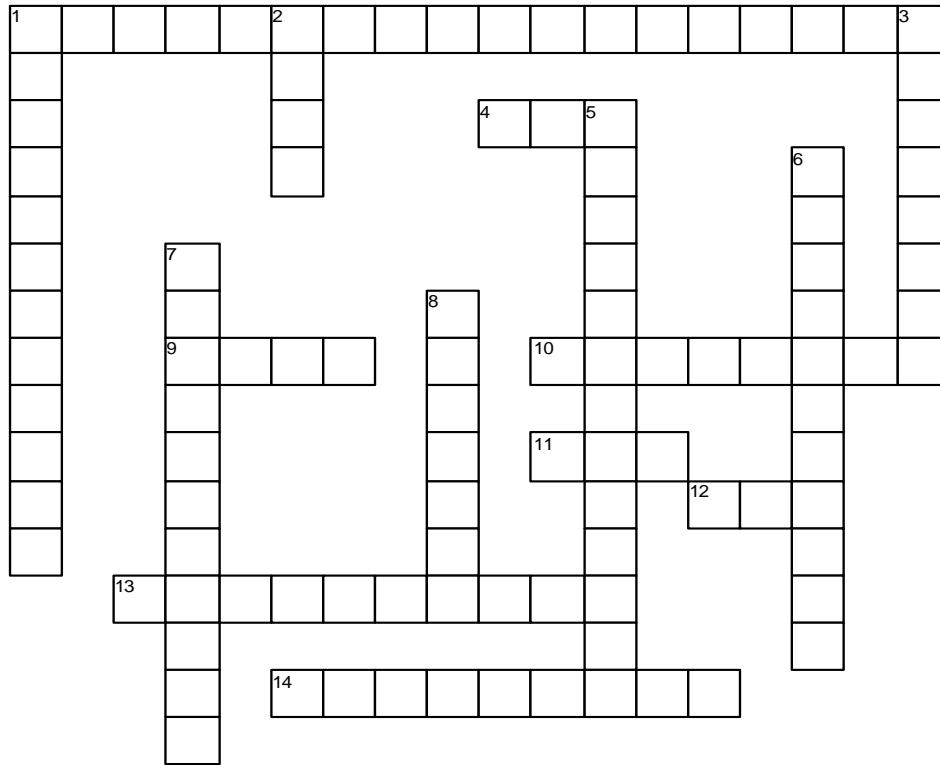


Advanced Engine Performance Diagnosis 8th Edition

Chapter 2

Strategy-Based Diagnosis



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ACROSS

- 1 Do not clear codes (DTCs) unless instructed by the _____.
- 4 Powertrain Control Module
- 9 Documents issued by vehicle manufacturers to inform technicians about known issues and recommended diagnostic procedures and fixes for those issues.
- 10 _____ in the oil will cause the engine to run rich by drawing fuel through the positive crankcase ventilation (PCV) system.
- 11 Whenever a ___ is set, a freeze frame is stored.
- 12 A diagnostic port used to connect a scan tool to retrieve vehicle diagnostic information and diagnostic trouble codes.
- 13 A sequence of driving conditions and maneuvers performed to allow the vehicle's computer (PCM) to conduct tests and verify that repairs have resolved a diagnostic issue.
- 14 In many cases, performing a _____ drive cycle will reset most monitors in most vehicles.

DOWN

- 1 A tool used to inject smoke into the engine's intake system to find vacuum leaks, which can be a source of engine performance problems.
- 2 Check the coolant level in the radiator only if the radiator is _____.
- 3 Disconnecting the _____ battery cable will clear the DTCs and freeze-frame on many vehicles but not all.
- 5 A repair or part replacement must be performed following vehicle _____ recommendations and be certain that the root cause of the problem has been found.
- 6 A diagnostic trouble code (DTC) that has been detected but has not yet illuminated the malfunction indicator light (MIL). It is stored until the problem is verified by further occurrences.
- 7 _____ scan tools. These scan tools are designed to function on more than one brand of vehicle.
- 8 _____ scan tools. These are the scan tools required by all dealers that sell and service the brand of vehicle.