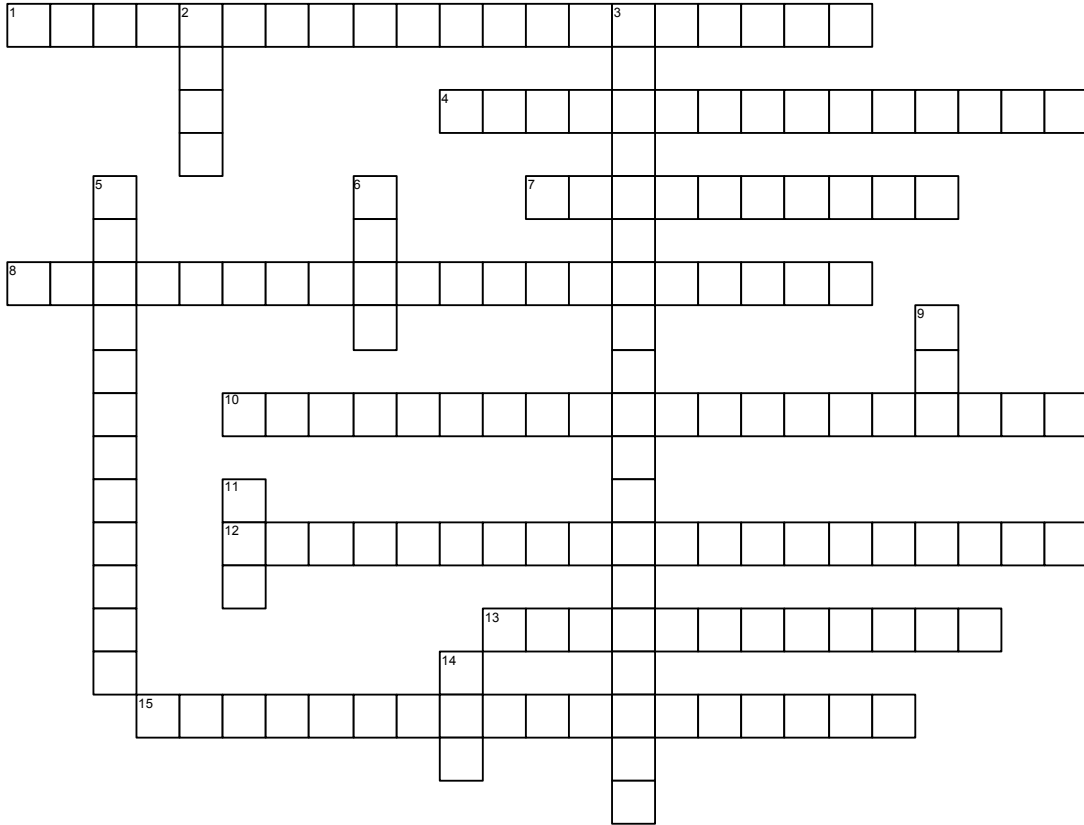


Variable Valve Timing Systems

Chapter 3



<http://jameshalderman.com>

ACROSS

- 1 GMs new name for cylinder deactivation is _____.
- 4 The camshaft position actuator _____ directs oil from the oil feed in the head to the appropriate camshaft position actuator oil passages.
- 7 A _____ is used on both OHC and OHV engines.
- 8 One name for systems that deactivate cylinders is _____.
- 10 GMs old name for cylinder deactivation is _____.
- 12 _____ systems are designed to run on four of eight or three of six cylinders during low-load conditions to improve fuel economy.
- 13 Conventional camshafts are permanently _____ to the crankshaft so that they operate the valves at a specific point in each combustion cycle.
- 15 _____ is commonly found on GM vehicles and the solenoid has 8 to 12 ohms of resistance requiring 1.0 to 1.5 amperes of current to operate.

DOWN

- 2 Variable camshafts such as the system used by Honda/Acura are called _____.
- 3 _____ is the most common way that variable valve timing is controlled by the PCM.
- 5 A _____ is used only on OHC engines.
- 6 Another name for the spline phaser system is the _____.
- 9 The ECM sends a _____ signal to the camshaft actuator magnet.
- 11 By using _____, engineers were able to eliminate the EGR valve and still be able to meet the standards for NOx.
- 14 Chrysler's term for cylinder deactivation is _____.