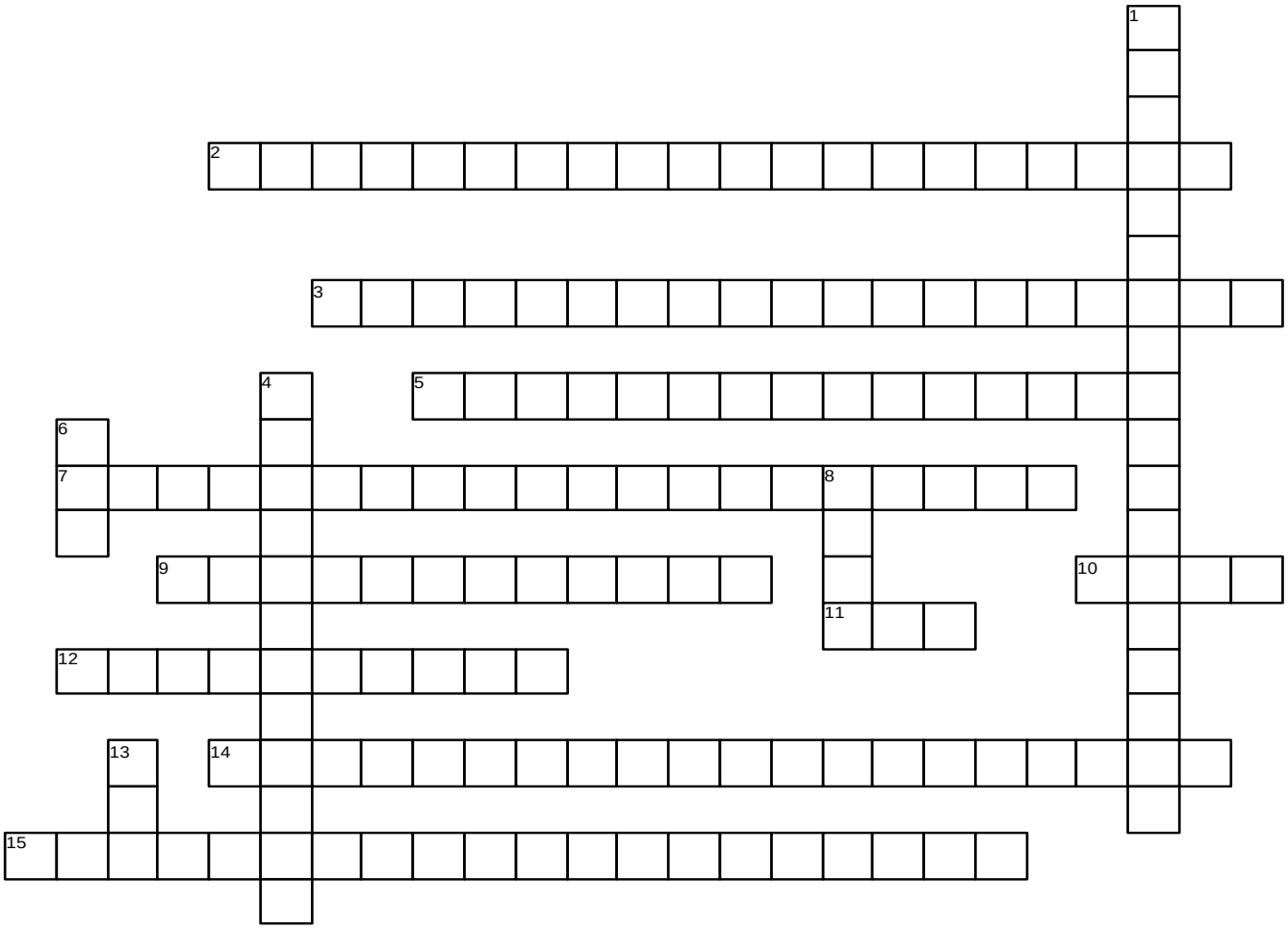
Variable Valve Timing Systems

Chapter 11



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2 One name for systems that deactivate cylinders is _____ _____ _____.

3 _____ ____ _____ is the most common way that variable valve timing is controlled by the PCM.

5 The camshaft position actuator ___ _____ _____ directs oil from the oil feed in the head to the appropriate camshaft position actuator oil passages.

7 GM's old name for cylinder deactivation is _____ __ _____.

9 Conventional camshafts are permanently _____ to the crankshaft so that they operate the valves at a specific point in each combustion cycle.

10 Variable camshafts such as the system used by Honda/Acura are called ____.

11 The ECM sends a ___ signal to the camshaft actuator magnet.

12 A ____ _____ is used on both OHC and OHV engines.

14 _____ _____ systems are designed to run on four of eight or three of six cylinders during low-load conditions to improve fuel economy.

15 GM's new name for cylinder deactivation is _____ ____ _____.

DOWN

1 _____ ____ _____ 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.

4 A _____ _____ is used only on OHC engines.

6 Chysler's term for cylinder deactivation is ___.

8 Another name for the spline phaser system is the ____.

13 By using ___, engineers were able to eliminate the EGR valve and still be able to meet the standards for NOx.