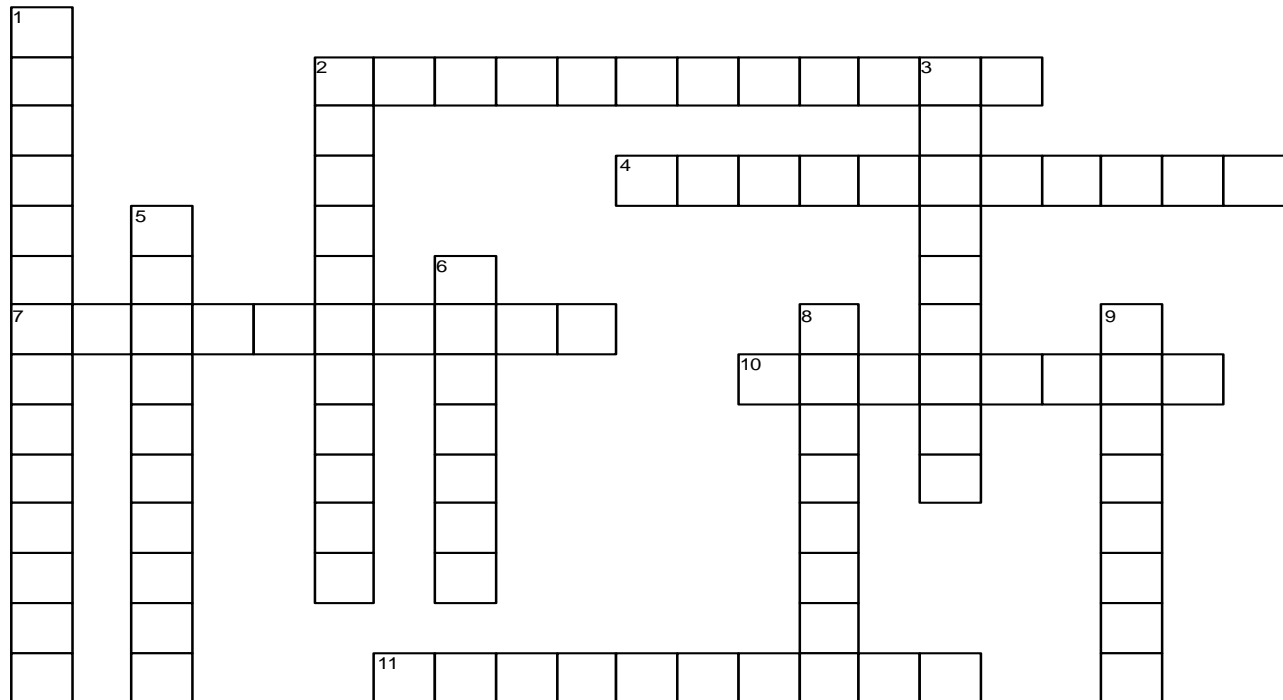


Advanced Engine Performance Diagnosis 8th Edition

Chapter 28

Module Reprogramming



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ACROSS

- 2** _____ Read Only Memory: A type of memory that stores data permanently, used in earlier vehicle modules where chips were physically replaced to update the software.
- 4** _____ Programming Interface: A set of rules that allows different software applications to communicate with each other, used in programming to facilitate communication between reprogramming software and vehicle control modules.
- 7** A method of updating or reprogramming vehicle modules wirelessly via an internet connection, without the need for physical connection to the vehicle.
- 10** Automotive Service Task Force: A cooperative effort involving the automotive service industry, OEMs, and others to provide access to information, tools, and training necessary for vehicle repair and reprogramming.
- 11** An extension of the J2534 standard that includes reprogramming of non-emission-related modules and adds functionality beyond J2534-1.

DOWN

- 1** _____ Erasable Programmable Read Only Memory: A type of memory that can be reprogrammed electronically without removing the chip, used in modern vehicle modules for storing software updates.
- 2** _____-_____ Device: A tool that connects a vehicle's control module to a computer, allowing for reprogramming through a software interface.
- 3** _____ ID: A unique identification number required for registered vehicle security professionals to access security codes and key-specific information during reprogramming.
- 5** The first part of the J2534 standard, which covers reprogramming of emission-related modules.
- 6** _____ Maintainer: A device used during module reprogramming to ensure the system voltage does not drop, which could interrupt the reprogramming process and cause damage.
- 8** A standard for communication between a computer and vehicle control modules, allowing for the reprogramming of emission-related components.
- 9** Version 5.00: The latest version of the J2534 standard, which includes improvements for communication and ensures compatibility with the most current reprogramming requirements.