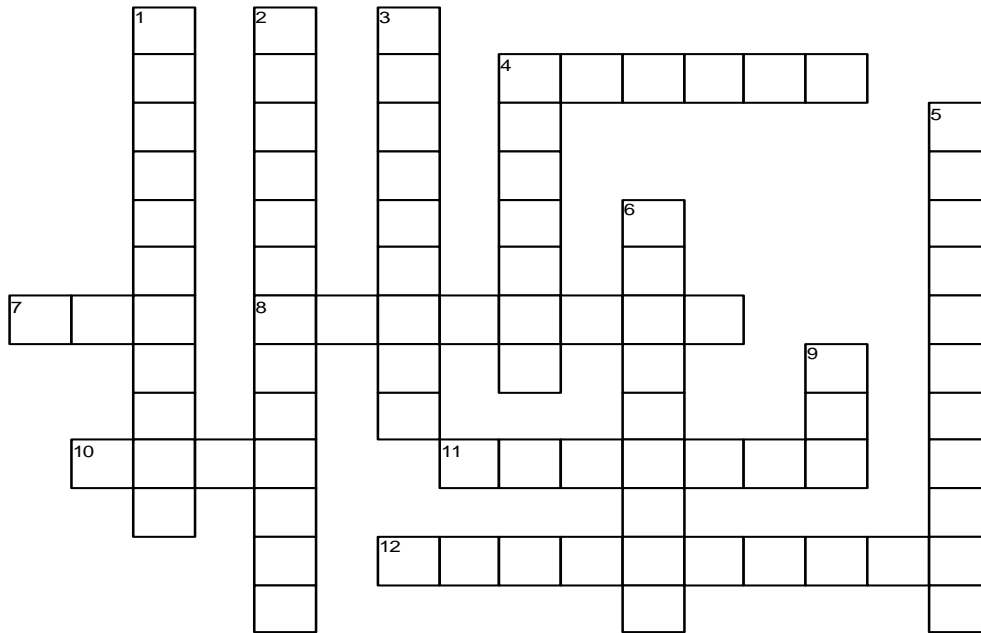


Advanced Engine Performance Diagnosis 8th Edition

Chapter 6

Scan Tools and Scan Tool Diagnosis



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ACROSS

- 4** _____ frame data is a snapshot of the engine parameters at the time a DTC is stored, which helps technicians diagnose the conditions that led to the fault.
- 7** Codes generated by the vehicle's onboard diagnostics system to indicate malfunctions or system faults (abbreviation).
- 8** Avoid _____ the codes until they have been written down.
- 10** Key on, engine off (abbreviation).
- 11** An OBD-II _____ code refers to the standardized diagnostic codes (P0xxx) and data accessible through the OBD-II system, which are universal across vehicle manufacturers.
- 12** The _____ scan tool is a device that plugs into the DLC and transmits data via Bluetooth to a smartphone equipped with a scan tool app.

DOWN

- 1** A _____ Indicator Lamp (MIL), is also known as the check engine light (CEL), this orange or yellow dash warning light alerts the driver of a potential issue that affects vehicle emissions.
- 2** Scan tools that can not only read diagnostic data from the vehicle's modules but also send commands to control actuators and other vehicle components, such as turning on headlights or performing actuator tests.
- 3** _____ codes are diagnostic trouble codes that are stored in the vehicle's nonvolatile memory and cannot be cleared by disconnecting the battery or using a scan tool.
- 4** _____ scan tools are the scan tools required by all dealers that sell and service the brand of vehicle.
- 5** _____ diagnostic scan tools are manufactured by many manufacturers and use the data licensed from each original equipment manufacturer (OEM).
- 6** The number in the _____ position indicates the specific vehicle system or subgroup that failed.
- 9** A 16-pin connector that adheres to the SAE J1962 standard, located on the driver's side of vehicles sold in North America, used to connect diagnostic scan tools to the vehicle (abbreviation).