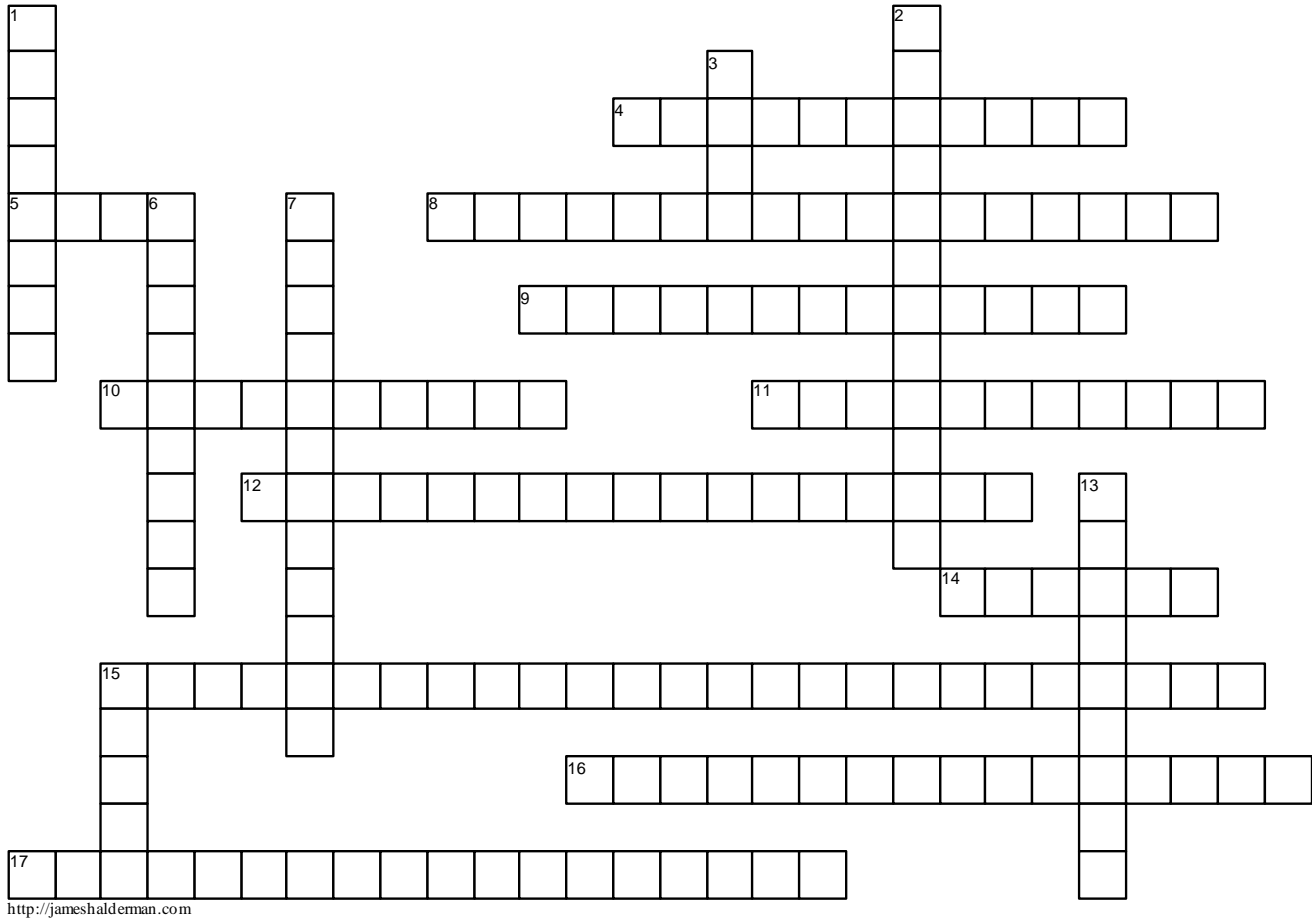


Scan Tools And Engine Performance Diagnosis

Chapter 90



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ACROSS

- 4 _____ scan tools are designed to function on more than one brand of vehicle.
- 5 A ____ is defined as an engine-operating drive cycle that contains the necessary conditions for a particular test to be performed.
- 8 The best tool to use during troubleshooting of a Ford vehicle is a ____-____ readout tester or other scan tool with Ford Capabilities.
- 9 Step six of the diagnostic process is to _____ to system or cylinder.
- 10 The _____ is different for each vehicle manufacturer but a universal one may work in many cases.
- 11 Any code that is displayed on a scan tool when the MIL is not on is called a _____.
- 12 Vehicle manufacturers have been giving the technician more and more data on a scan tool connected to the _____.
- 14 After verifying the problem (concern), perform a thorough _____ inspection and basic test.
- 15 Step four of the diagnostic process is to check for _____.

- 16 Step one of the diagnostic process is to _____.

- 17 Most GM DTCs can be retrieved by using a metal tool and connecting terminals A and B of the DLC, this method is called _____.

DOWN

- 1 Short term and ____-____ fuel trim values are required freeze-frame data items.
- 2 Step five of the diagnostic process is to look at _____.
- 3 Step three of the diagnostic process is to retrieve _____.
- 6 For the _____, hold a piece of paper within 1 inch of the tailpipe.
- 7 Connecting the outlet of the _____ to the hose that was removed from the vacuum brake booster allows smoke to enter the intake manifold.
- 13 A _____ adapter may be plugged into a DLC and transmit global OBD-II information to a smart phone that has a scan tool app installed.
- 15 A ____-__ diagnostic trouble code is emissions related and causes the MIL to be turned on at the first trip if the computer has detected a problem.