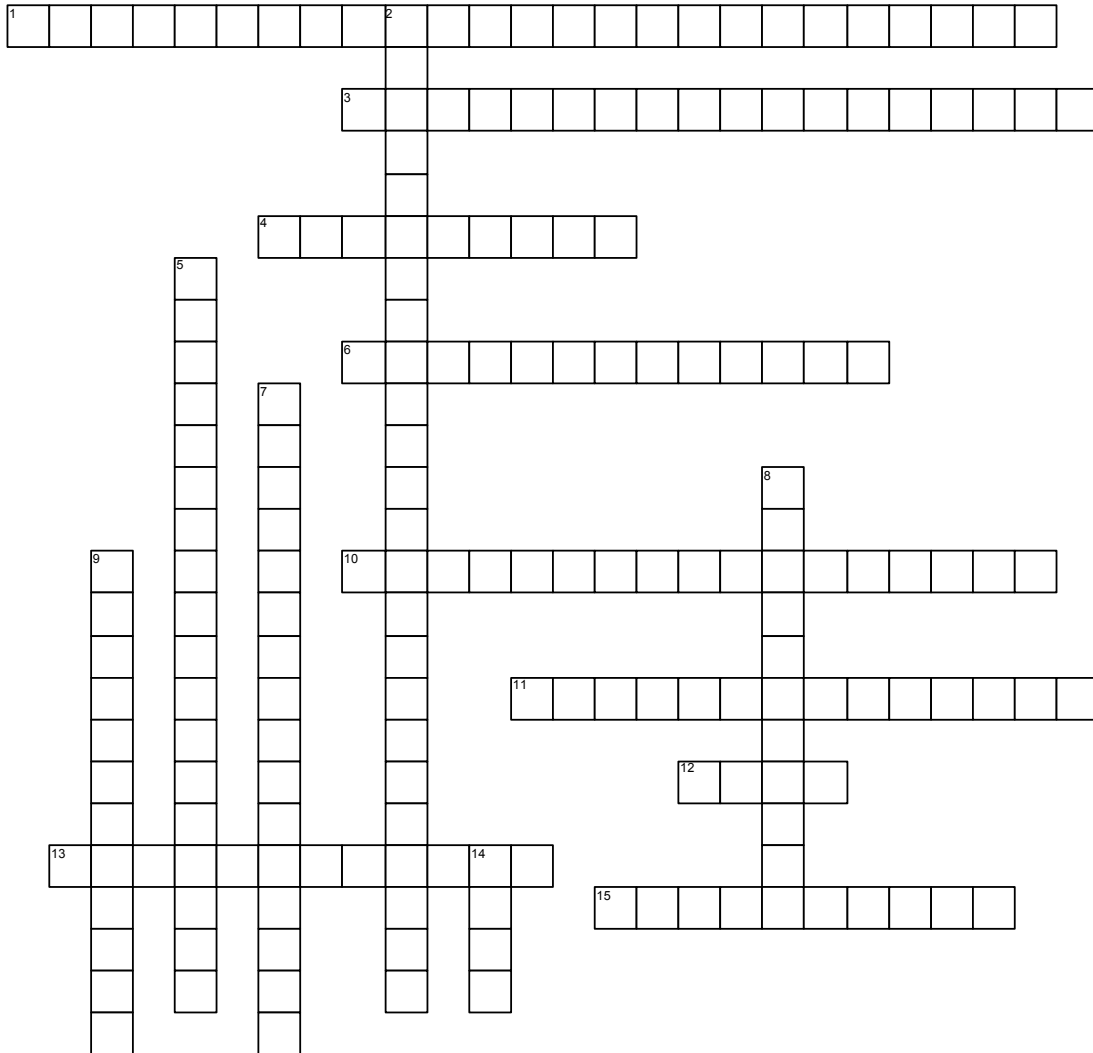


# Scan Tools And Engine Performance Diagnosis

## Chapter 30



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### ACROSS

- 1 Step four of the diagnostic process is to check for \_\_\_\_\_.
- 3 Most GM DTCs can be retrieved by using a metal tool and connecting terminals A and B of the DLC, this method is called \_\_\_\_\_.
- 4 For the \_\_\_\_\_, hold a piece of paper within 1 inch of the tailpipe.
- 6 Step six of the diagnostic process is to \_\_\_\_\_ to system or cylinder.
- 10 Vehicle manufacturers have been giving the technician more and more data on a scan tool connected to the \_\_\_\_\_.
- 11 With the ignition \_\_\_\_\_, watch the voltmeter pulses, which should appear within 5 to 30 seconds.
- 12 Step three of the diagnostic process is to retrieve \_\_\_\_\_.
- 13 Step five of the diagnostic process is to look at \_\_\_\_\_.
- 15 The \_\_\_\_\_ is different for each vehicle manufacturer but a universal one may work in many cases.

### DOWN

- 2 The best tool to use during troubleshooting of a Ford vehicle is a \_\_\_\_\_ tester or other scan tool with Ford Capabilities.
- 5 During the \_\_\_\_\_ self-test, the sensors are checked by the computer under actual operating conditions and the output devices are operated and checked for expected results.
- 7 Step one of the diagnostic process is to \_\_\_\_\_.
- 8 Any code that is displayed on a scan tool when the MIL is not on is called a \_\_\_\_\_.
- 9 Connecting the outlet of the \_\_\_\_\_ to the hose that was removed from the vacuum brake booster allows smoke to enter the intake manifold.
- 14 A \_\_\_\_\_ is defined as an engine-operating drive cycle that contains the necessary conditions for a particular test to be performed.