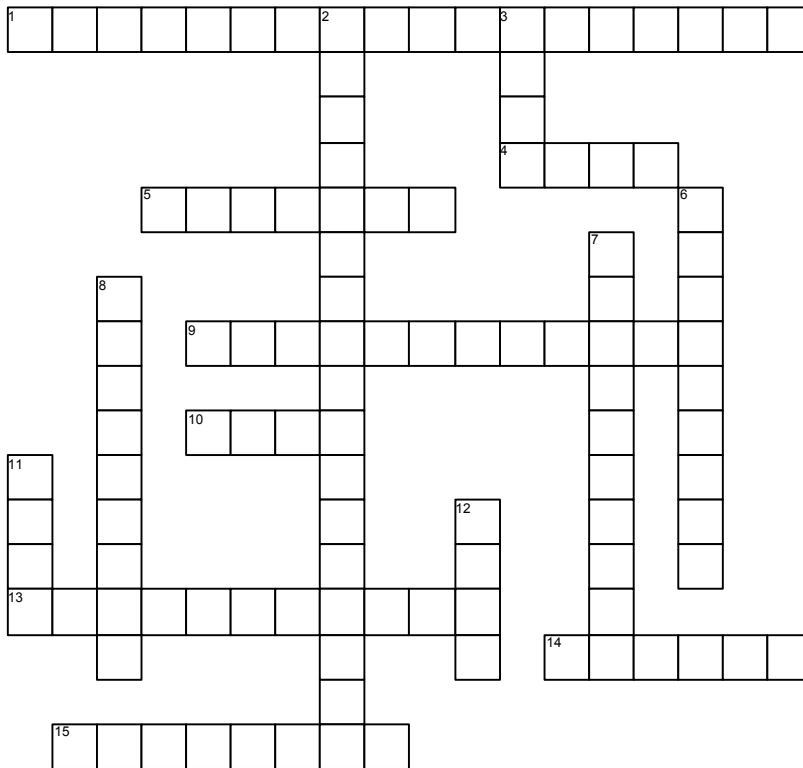


# The Diagnostic Process

## Chapter 1



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### ACROSS

- 1 Most GM OBDI DTCs can be retrieved by using a metal tool and contacting terminals A and B of the 12-pin DLC; this is called \_\_\_\_\_.
- 4 The best tool to use during troubleshooting of a Ford vehicle is a \_\_\_\_ tester.
- 5 Before a minute is spent on diagnosis, be certain that a \_\_\_\_\_ exists.
- 9 Connecting the outlet of the \_\_\_\_\_ to the hose that was removed from the vacuum brake booster allows smoke to enter the intake manifold.
- 10 During the \_\_\_\_ test, watch the voltmeter pulses, which should appear within 5 to 30 seconds.
- 13 Any code that is displayed on a scan tool when the ML is not on is called a \_\_\_\_\_.
- 14 Because drivers differ, it is sometimes the best policy to take the customer on the test drive to \_\_\_\_\_ the concern.
- 15 Checking the fuel-pump \_\_\_\_\_ is relatively easy on many port-fuel-injected engines.

### DOWN

- 2 Vehicle manufacturers have been giving the technician more and more data on a scan tool connected to the \_\_\_\_\_.
- 3 Check for corrections or repair procedures in \_\_\_\_ that match the symptoms.
- 6 For the \_\_\_\_\_, hold a piece of paper or a 3-by-5-inch card within 1 inch of the tailpipe with the engine running at idle.
- 7 The \_\_\_\_\_ is different for each vehicle manufacturer but a universal one may work in many cases.
- 8 \_\_\_\_\_ the focus to a system or individual cylinder is the hardest part of the entire diagnostic process.
- 11 A \_\_\_\_ is defined as an engine-operating drive cycle that contains the necessary conditions for a particular test to be performed.
- 12 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.