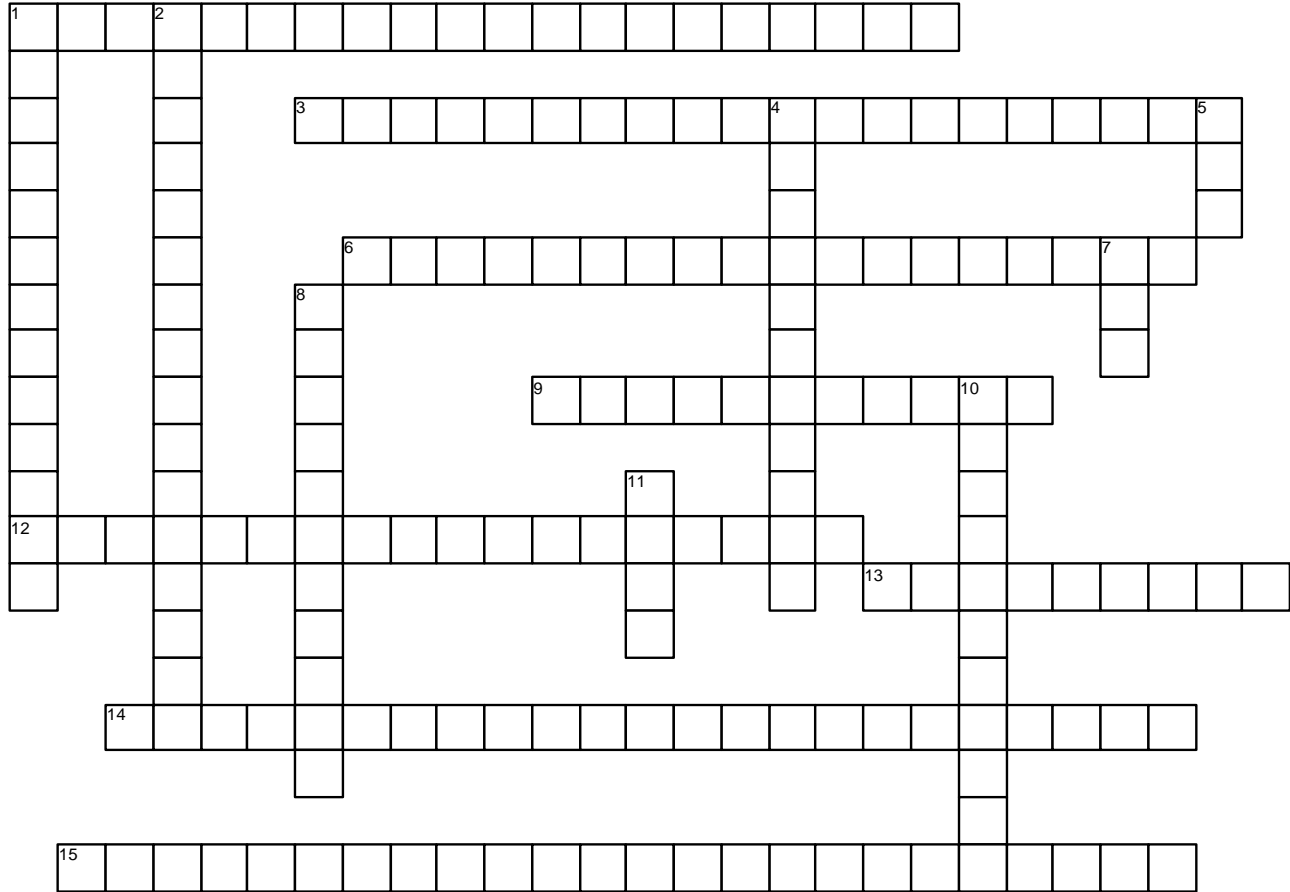


Onboard Diagnosis

Chapter 89



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ACROSS

- 1 All new vehicles must pass the _____ _____
_____ for exhaust emissions while being tested
for 1874 seconds on dynamometer rollers that
simulate the urban drive cycle around downtown Los
Angeles.
- 3 On OBD-II systems, the PCM incorporates a special
segment of software, on Ford and GM systems, this
software is called the _____.
- 6 Early __-_____ systems were meant to
reduce emissions and speed up vehicle repair.
- 9 OBD-II requires that inputs from powertrain
components to the PCM be tested for _____.
- 12 Hexadecimal coding is also used to identify _____.
- 13 Hexadecimal coding is also used to identify
_____ identification.
- 14 Mode one of operation is _____.
- 15 An instrument panel warning lamp able to alert the
driver of certain control system failures, now called a
_____.

DOWN

- 1 OBD-II requires that outputs to powertrain
components from the PCM be tested for
_____.
- 2 _____ are a set of conditions that must
be met before the task manager will give the go-ahead
for each monitor to run.
- 4 The _____ is a mathematical method used to
determine performance.
- 5 Every OBD-II scan tool will be able to read all generic
___ DTCs from any vehicle.
- 7 The ___ watches the sensors and actuators in the
OBD-II system.
- 8 Record a _____, which is a snapshot of
important engine data at the time the DTC was set.
- 10 On OBD-II systems, the PCM incorporates a special
segment of software, on Chrysler systems, this
software is called _____.
- 11 The ___ developed the first regulation requiring
manufacturers selling vehicles in that state to install
OBD.