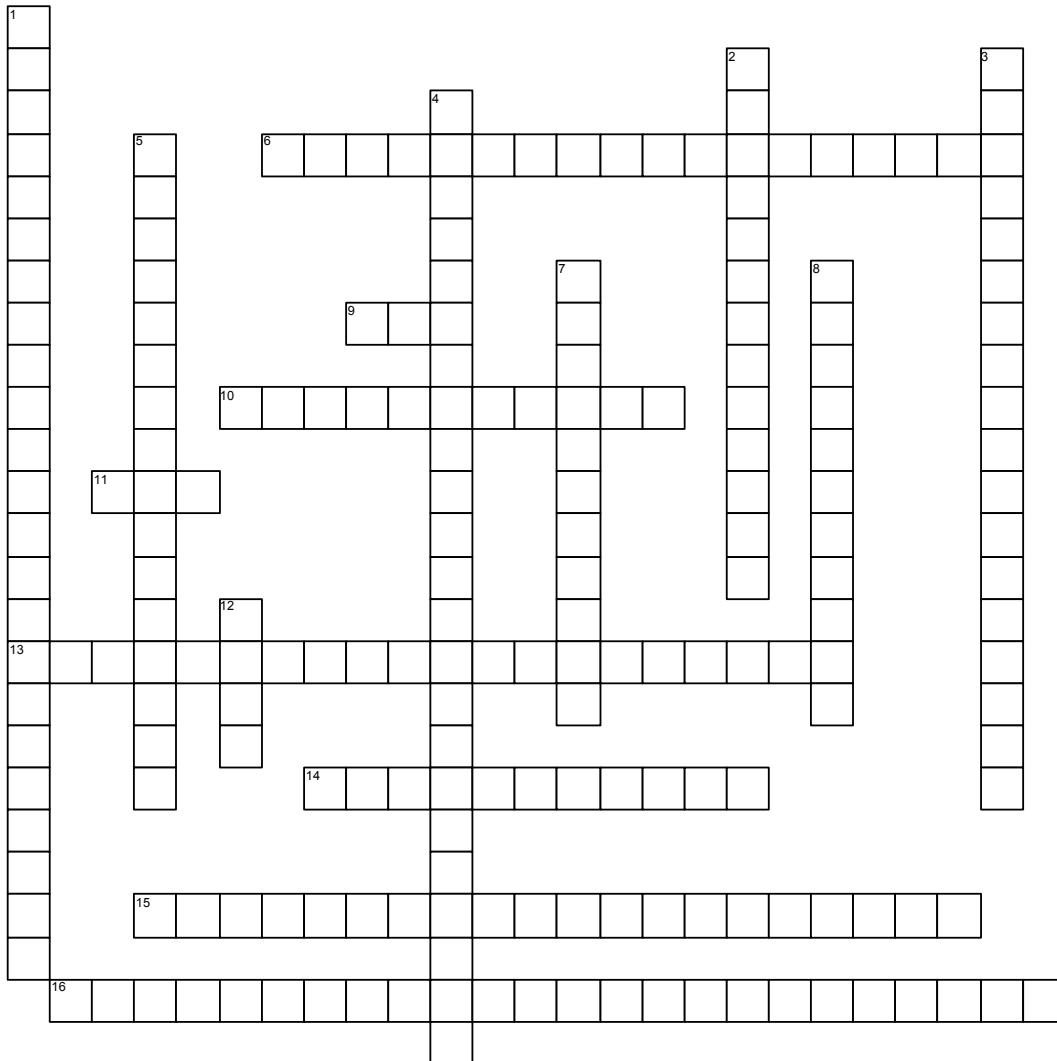


# Onboard Diagnosis

## Chapter 19



<http://jameshaldeman.com>

### ACROSS

- 6 Early \_\_\_\_\_ systems were meant to reduce emissions and speed up vehicle repair.
- 9 Every OBD-II scan tool will be able to read all generic \_\_\_\_\_ DTCs from any vehicle.
- 10 Record a \_\_\_\_\_, which is a snapshot of important engine data at the time the DTC was set.
- 11 The \_\_\_\_\_ watches the sensors and actuators in the OBD-II system.
- 13 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.
- 14 OBD-II requires that inputs from powertrain components to the PCM be tested for \_\_\_\_\_.
- 15 On OBD-II systems, the PCM incorporates a special segment of software, on Ford and GM systems, this software is called the \_\_\_\_\_.
- 16 An instrument panel warning lamp able to alert the driver of certain control system failures, now called a \_\_\_\_\_.

### DOWN

- 1 Hexadecimal coding is also used to identify \_\_\_\_\_.
- 2 OBD-II requires that outputs to powertrain components from the PCM be tested for \_\_\_\_\_.

- 3 Hexadecimal coding is also used to identify \_\_\_\_\_.
- 4 Mode one of operation is \_\_\_\_\_.
- 5 \_\_\_\_\_ are a set of conditions that must be met before the task manager will give the go-ahead for each monitor to run.
- 7 The \_\_\_\_\_ is a mathematical method used to determine performance.
- 8 On OBD-II systems, the PCM incorporates a special segment of software, on Chrysler systems, this software is called \_\_\_\_\_.
- 12 The \_\_\_\_\_ developed the first regulation requiring manufacturers selling vehicles in that state to install OBD.