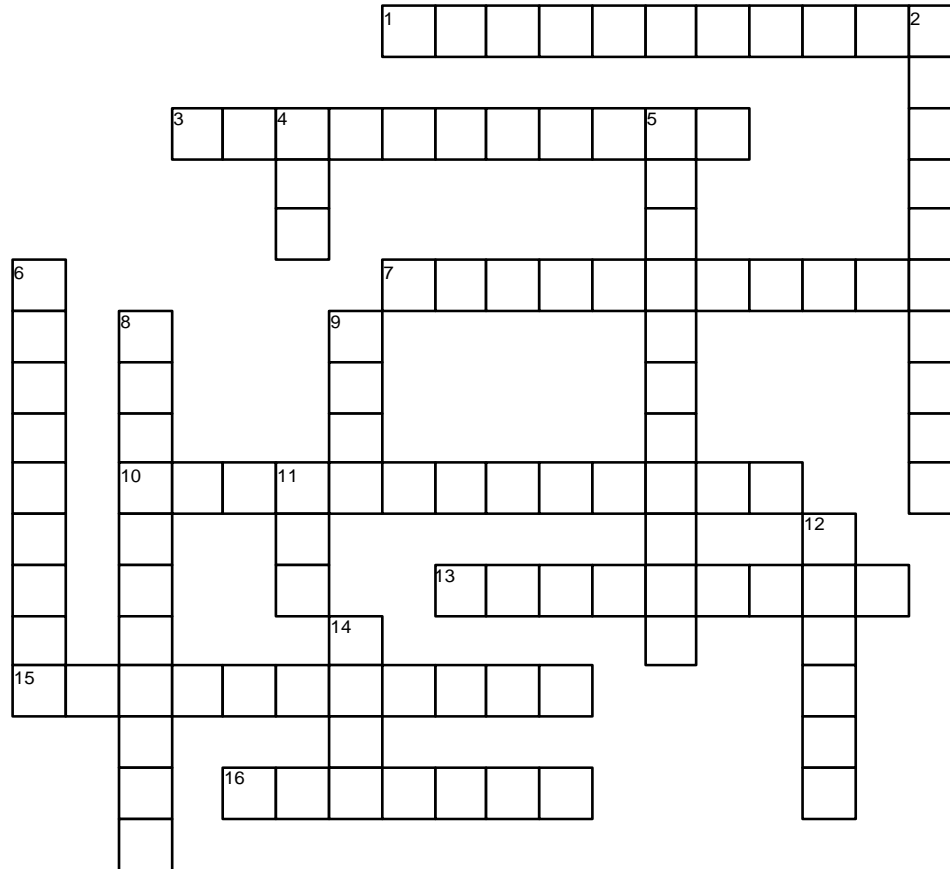


# Onboard Diagnosis

## Chapter 83



<http://jameshalderman.com>

### ACROSS

- Record a \_\_\_\_\_-\_\_\_\_\_, which is a snapshot of important engine data at the time the DTC was set.
- On OBD-II systems, the PCM incorporates a special segment of software, on Chrysler systems, this software is called \_\_\_\_\_.
- All new vehicles must pass the \_\_\_\_\_ procedure for exhaust emissions while being tested for 1874 seconds on dynamometer rollers that simulate the urban drive cycle around downtown Los Angeles.
- OBD-II requires that outputs to powertrain components from the PCM be tested for \_\_\_\_\_.
- Hexadecimal coding is also used to identify \_\_\_\_\_ identification.
- OBD-II requires that inputs from powertrain components to the PCM be tested for \_\_\_\_\_.
- Early \_\_\_-\_\_\_ diagnostic systems were meant to reduce emissions and speed up vehicle repair.

### DOWN

- On OBD-II systems, the PCM incorporates a special segment of software, on Ford and GM systems, this software is called the diagnostic \_\_\_\_\_.
- Every OBD-II scan tool will be able to read all generic \_\_\_ DTCs from any vehicle.
- The \_\_\_\_\_ is a mathematical method used to determine performance.
- Mode one of operation is \_\_\_\_\_ identification.
- An instrument panel warning lamp able to alert the driver of certain control system failures, now called a \_\_\_\_\_ indicator lamp.
- Hexadecimal coding is also used to identify \_\_\_\_\_ identification.
- The \_\_\_ watches the sensors and actuators in the OBD-II system.
- \_\_\_\_\_ criteria are a set of conditions that must be met before the task manager will give the go-ahead for each monitor to run.
- The \_\_\_\_\_ developed the first regulation requiring manufacturers selling vehicles in that state to install OBD.