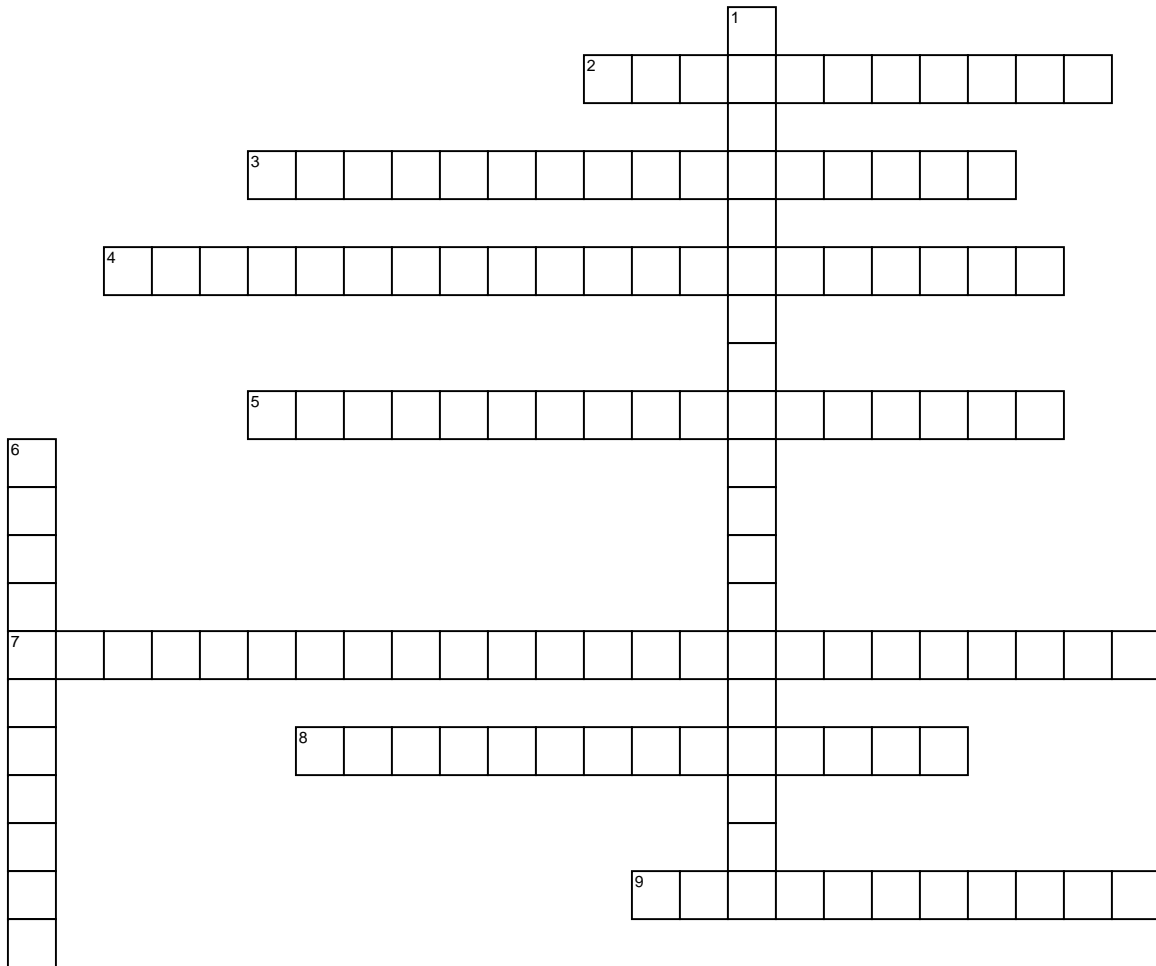


Chapter 19

Diesel OBD II



ACROSS

- 2 PCM sensor inputs that are checked for _____.
- 3 These early diagnostic systems were meant to reduce emissions and speed up vehicle repair. The automotive industry calls these systems _____.
- 4 All new vehicles must pass the _____.
- 5 A _____ refers to PCM inputs checking the operation of the outputs, or in other words, action and then the reaction.
- 7 A _____ is an instrument panel warning lamp able to alert the driver of certain control system.
- 8 A trip is defined as a key-on condition that contains the necessary conditions for a particular test to be performed followed by a key-off. These conditions are called the _____.
- 9 To assist the service technician, OBD II requires the PCM to take a "snapshot" or _____ of some data at the instant an emission-related DTC is set. A scan tool is required to retrieve this data.

DOWN

- 1 On OBD-II systems, the powertrain control module (PCM) incorporates a special segment of software. On Ford and GM systems, this software is called the _____.
- 6 On Chrysler systems, it is called the _____. This software program is designed to manage the operation of all OBD-II monitors by controlling the sequence of steps necessary to execute the diagnostic tests and monitors.