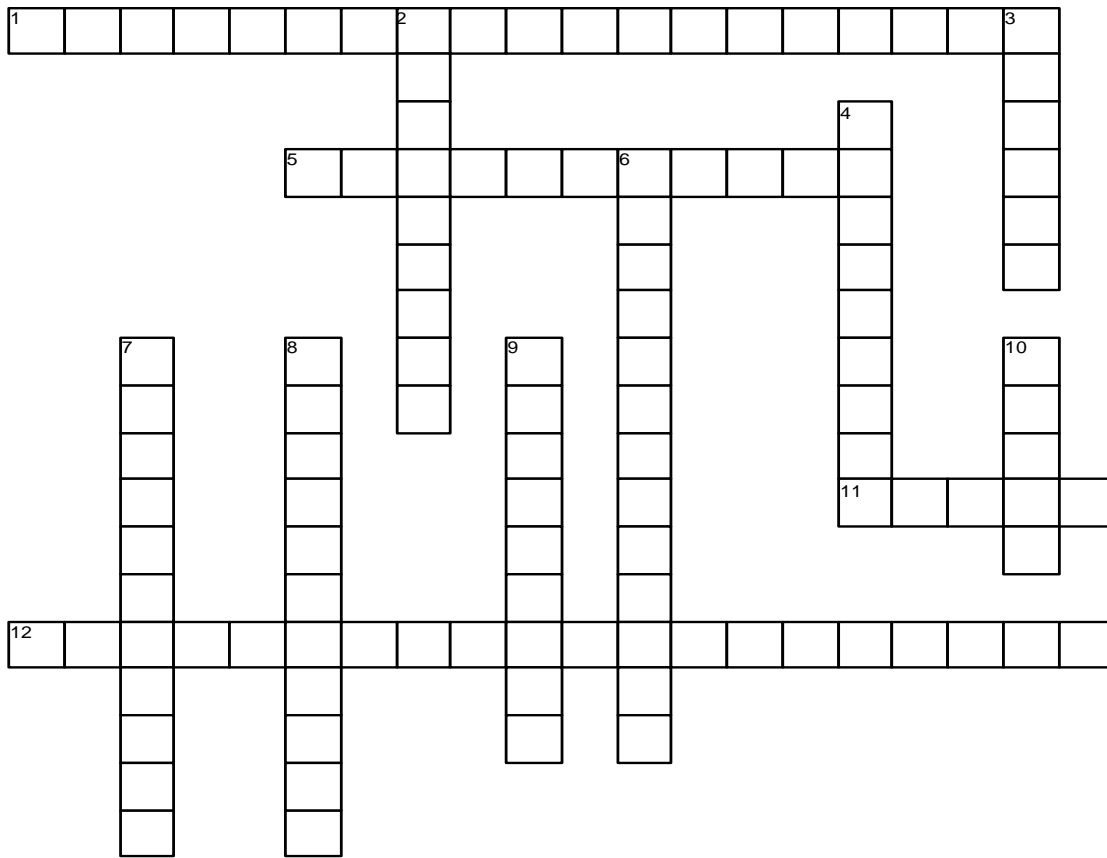


# Diesel OBD II

## Chapter 19



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### ACROSS

- 1 On OBD-II systems, the PCM incorporates a special segment of software. On Ford and GM systems, this software is called the \_\_\_\_\_.
- 5 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.
- 11 A \_\_\_\_\_ code will be stored, and the MIL will be turned on during the second consecutive trip, alerting the driver to the fact that a diagnostic test was performed and failed.
- 12 A \_\_\_\_\_ lamp is an instrument panel warning lamp able to alert the driver of certain control system.

### DOWN

- 2 \_\_\_\_\_ codes are for use with non-emission-related diagnostic tests and they will cause the lighting of a "service" lamp. Type C codes are also called type C1 codes, and D codes are also called type C0 codes.
- 3 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 \_\_\_\_\_ criteria.
- 4 \_\_\_\_\_ diagnostic trouble codes are stored in memory and cannot be erased with scan tools or by disconnecting the battery. they can only be erased by the OBD system itself.
- 6 A \_\_\_\_\_ test refers to PCM inputs checking the operation of the outputs, or in other words, action and then the reaction.
- 7 All new vehicles must pass the \_\_\_\_\_ Procedure for exhaust emissions while being tested for 1,874 seconds on dynamometer rollers that simulate the urban drive cycle around downtown Los Angeles.
- 8 On OBD-II systems, the powertrain control module (PCM) incorporates a special segment of software. On Chrysler systems, it is called the \_\_\_\_\_.
- 9 \_\_\_\_\_ II is the standardized format of on-board diagnostics, following SAE standard J1962.
- 10 A \_\_\_\_\_ DTC is emission related and will cause the MIL to be turned on in the first trip, if the PCM has detected a problem.