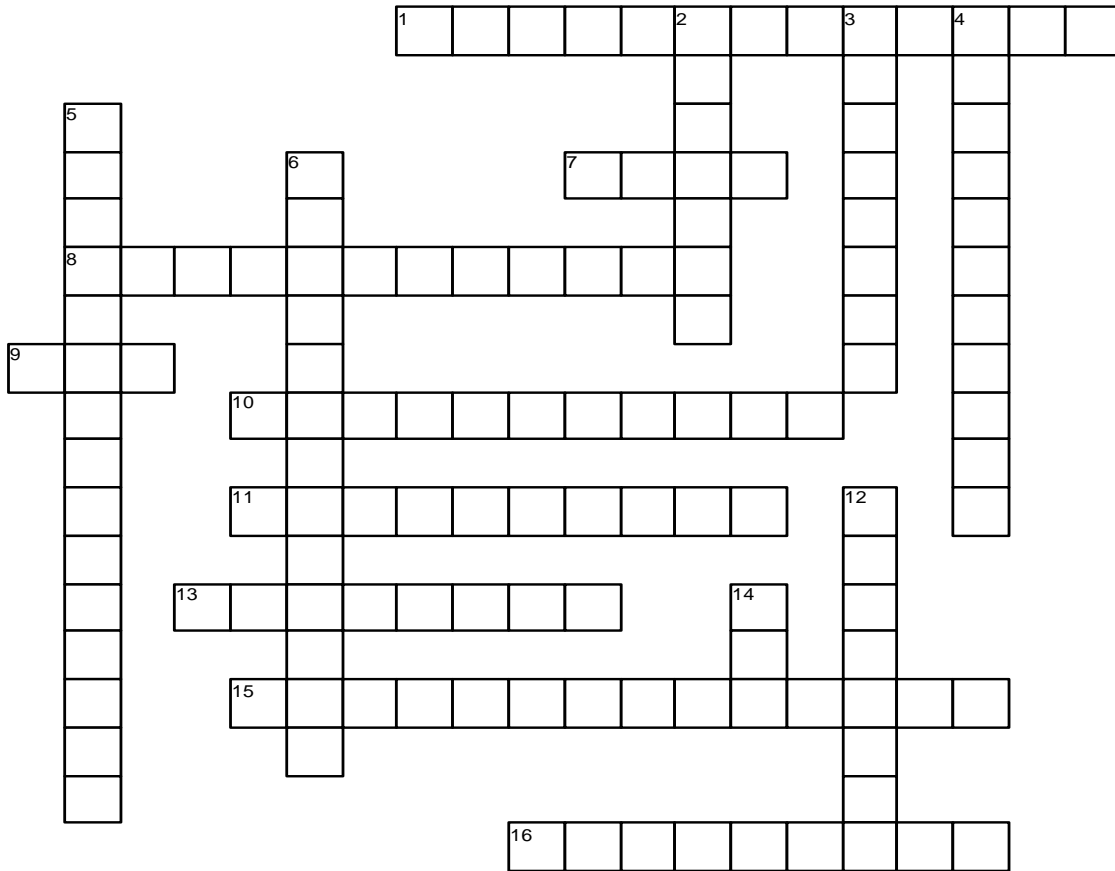


Diesel Engine Condition Diagnosis

Chapter 6



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ACROSS

- 1 _____ happens because of lack of oil flowing to the lifters. this noise is most noticeable at idle when the oil pressure is the lowest.
- 7 Abbreviation for diagnostic trouble codes.
- 8 _____ test is an automated test that a scan tool performs by turning a fuel injector off to one cylinder at a time and monitors the drop, or increase in engine speed; also called a cylinder contribution test.
- 9 A ____ compression test is a test that indicates low compression on one or more cylinders.
- 10 an excessively loose _____ can cause a severe knocking noise when the chain hits the cover or the block.
- 11 A _____ will indicate that the PCM has commanded the malfunction indicator lamp (MIL) on.
- 13 A _____ compression test is a test that uses the starter motor current to determine the compression values of all cylinders.
- 15 Many _____-_____ faults are caused by poor electrical connections at the battery.
- 16 A _____ section will display the DTCs that have not run during the current drive cycle. As DTCs run and pass, the DTC will be removed.

DOWN

- 2 the noise of a _____ flex plate is often mistaken for a rod- or main-bearing noise.
- 3 A _____ contribution test is also called a power balance test, it is an automated test that a scan tool performs by turning a fuel injector off to one cylinder at a time and monitors the drop, or increase in engine speed.
- 4 _____ draw is a battery electrical drain test that determines if any component or circuit in a vehicle is causing a drain on the battery when everything is off; also call a parasitic load test.
- 5 A _____ is a fundamental engine diagnostic test.
- 6 _____ test is a battery electrical drain test that determines if any component or circuit in a vehicle is causing a drain on the battery when everything is off; also call an ignition off draw.
- 12 A _____ Fail function will show only the DTCs that failed the last time the test of the system or sensor was run.
- 14 _____ is a lamp commonly labeled "check engine" or "service engine soon" that illuminates on the dash.