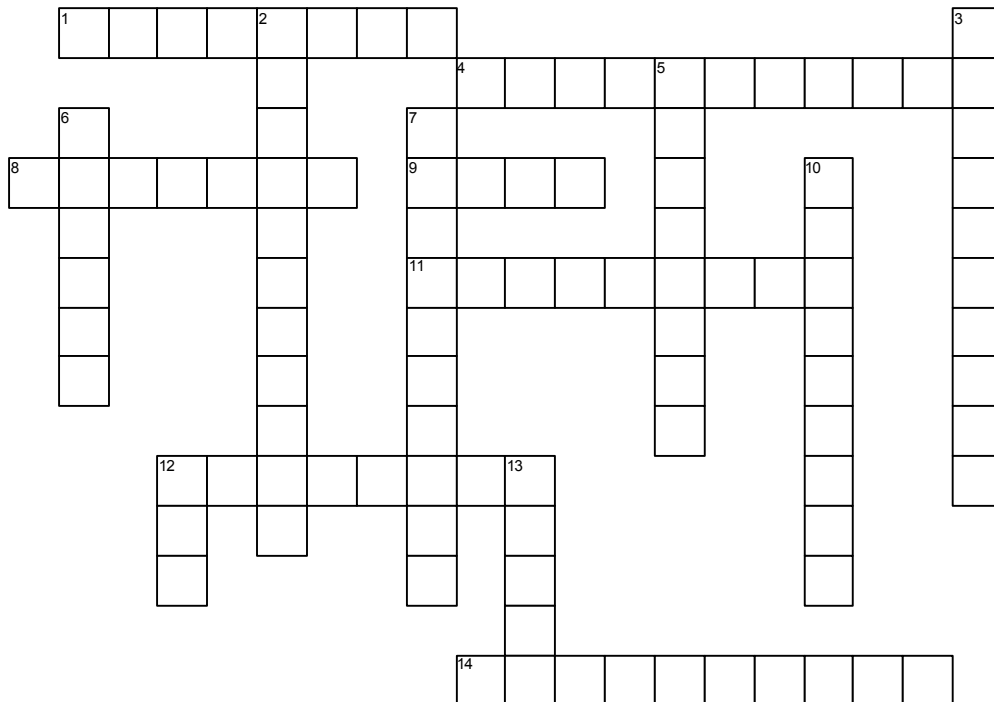


Symptom-Based Diagnosis

Chapter 30



<http://jameshalderman.com>

ACROSS

- 1 A _____ is the burning of fuel in the intake manifold or in the exhaust system.
- 4 A _____ is when unburned fuel is pushed out of the engine during the exhaust stroke.
- 8 Another name for hesitation is _____.
- 9 Another name for spark knock is _____.
- 11 _____ is a common occurrence because many different systems have a direct effect on idle quality.
- 12 It is a good idea to know what _____ a particular part or component will cause if defective.
- 14 _____ means a delay in the operation of the engine when the accelerator pedal is depressed.

DOWN

- 2 Poor _____ means lower-than-usual miles per gallon as determined by an actual road test.
- 3 _____ is another name for spark knock.
- 5 When an engine _____, it jerks or pulsates and is usually more noticeable when the engine is accelerated.
- 6 If the engine _____, most customers are very concerned because it can be a safety-related malfunction.
- 7 _____ is usually due to excessive lean air-fuel mixture or excessively hot engine operation.
- 10 _____ is a term used to describe the engine continuing to run after the ignition is turned off.
- 12 Sometimes hesitation is described as _____ or "lack of response" as the accelerator is pushed down.
- 13 A _____ is a change in engine power under steady throttle conditions.