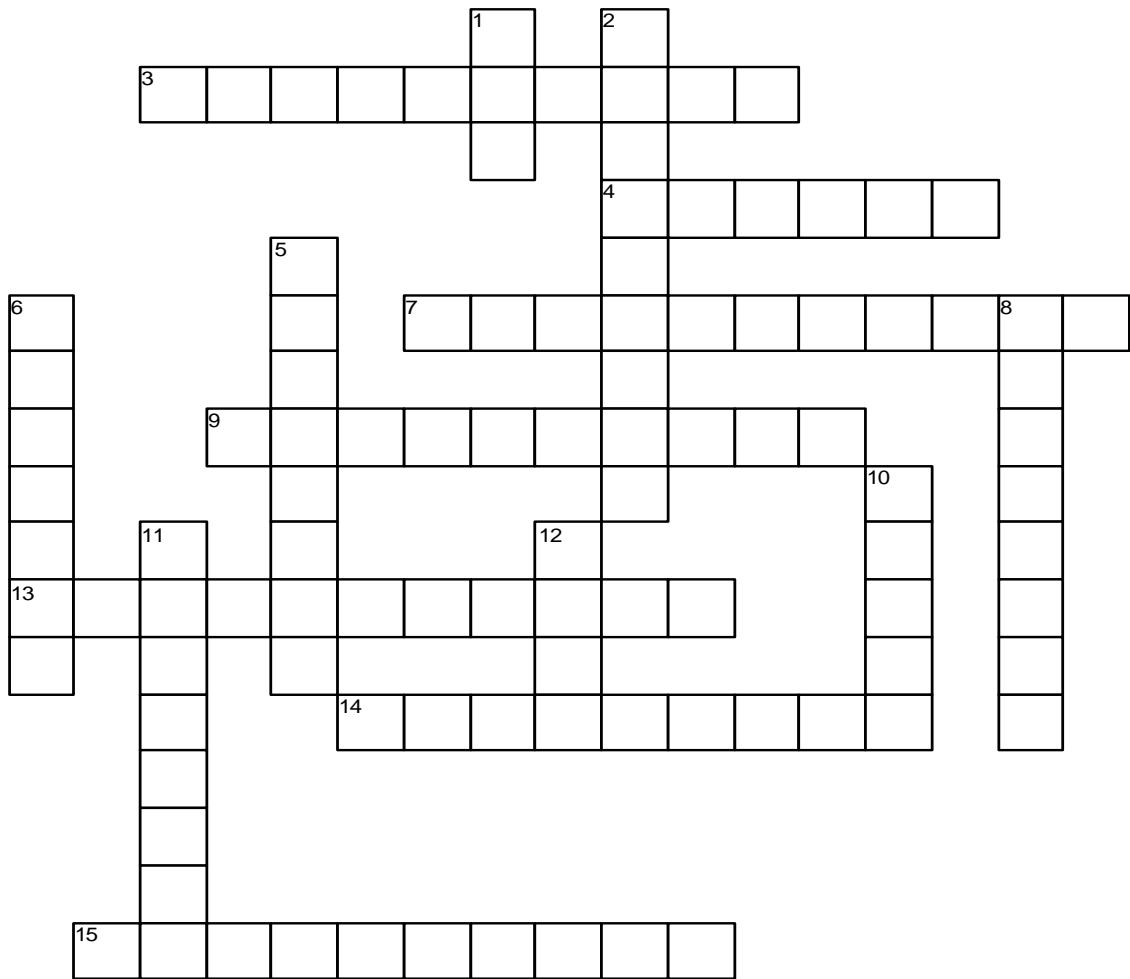


# Symptom-Based Diagnosis

## Chapter 29



<http://jameshalderman.com>

### ACROSS

- 3 \_\_\_\_\_ means a delay in the operation of the engine when the accelerator pedal is depressed.
- 4 If the engine \_\_\_\_\_, most customers are very concerned because it can be a safety-related malfunction.
- 7 Poor \_\_\_\_\_ means lower-than-usual miles per gallon as determined by an actual road test.
- 9 \_\_\_\_\_ is usually due to excessive lean air-fuel mixture or excessively hot engine operation.
- 13 A \_\_\_\_\_ is when unburned fuel is pushed out of the engine during the exhaust stroke.
- 14 \_\_\_\_\_ is a common occurrence because many different systems have a direct effect on idle quality.
- 15 \_\_\_\_\_ is another name for spark knock.

### DOWN

- 1 Sometimes hesitation is described as \_\_\_\_\_ or "lack of response" as the accelerator is pushed down.
- 2 \_\_\_\_\_ is a term used to describe the engine continuing to run after the ignition is turned off.
- 5 It is a good idea to know what \_\_\_\_\_ a particular part or component will cause if defective.
- 6 Another name for hesitation is \_\_\_\_\_.
- 8 When an engine \_\_\_\_\_, it jerks or pulsates and is usually more noticeable when the engine is accelerated.
- 10 A \_\_\_\_\_ is a change in engine power under steady throttle conditions.
- 11 A \_\_\_\_\_ is the burning of fuel in the intake manifold or in the exhaust system.
- 12 Another name for spark knock is \_\_\_\_\_.