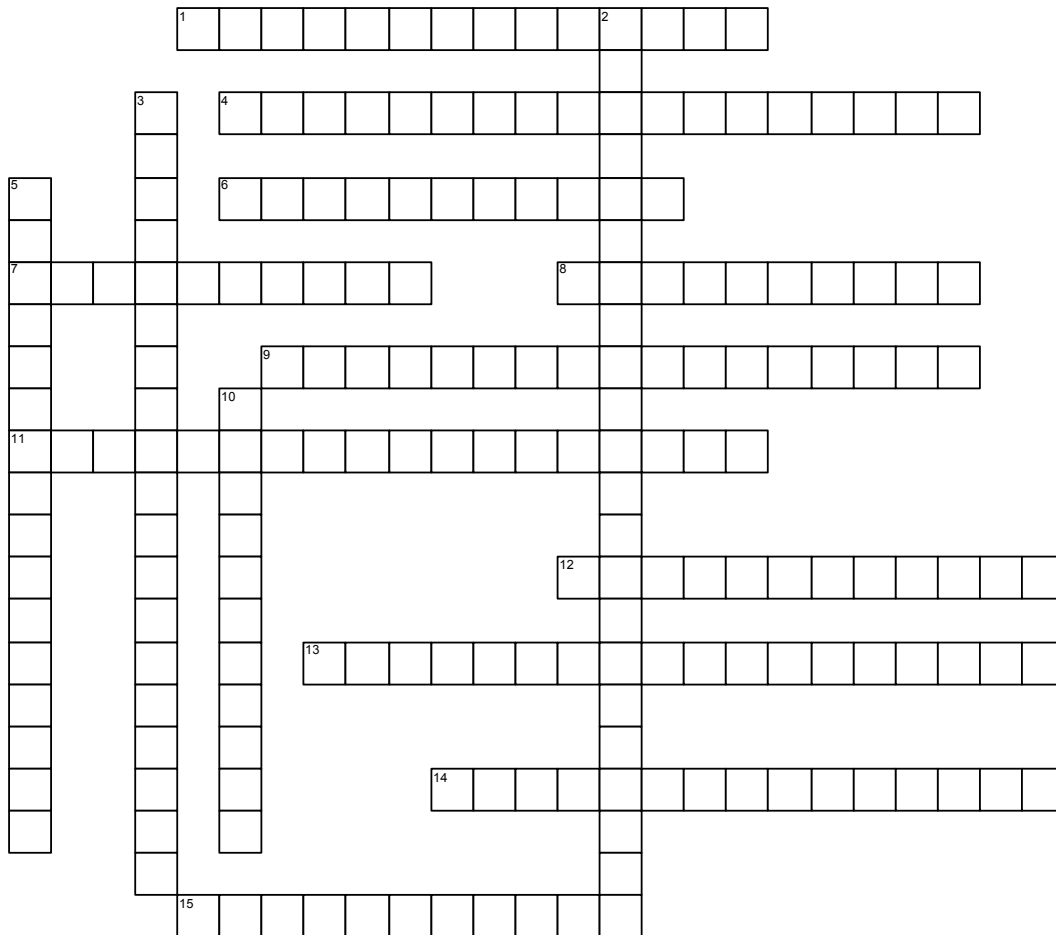


Ignition System

Chapter 30



<http://jameshaldeman.com>

ACROSS

- 1 The PCM uses the knock sensor to listen for engine spark knock to determine if the _____ needs to be changed to prevent engine damage.
- 4 _____ ignition uses one ignition coil for each spark plug.
- 6 On a distributor equipped engine, remove the coil wire from the center of the distributor cap, install a _____, and crank the engine.
- 7 _____ are manufactured from ceramic insulators inside a steel shell.
- 8 A _____ is another name for a magnetic pulse generator.
- 9 Most _____ use a small amount of iridium welded onto the tip of a small center electrode, 0.015 to 0.020 in. in diameter.
- 11 _____ have a small amount of the precious metal platinum included on the end of the center electrode, as well as on the ground or side electrode.
- 12 Since the mid-1970s, points have been replaced with

ignition systems that use sensors, such as a pickup coil and reluctor, to trigger or signal an electronic module that switches the primary ground circuit of the _____.

- 13 _____ is the term specified by SAE for ignition systems that does not use a distributor.
- 14 The _____ system is used to trigger and therefore create the secondary spark from the ignition coil.
- 15 _____ means the order that the spark is distributed to the correct spark plug at the right time.

DOWN

- 2 A _____ is a triggering device used in a distributor ignition system.
- 3 _____ is the term specified by SAE for ignition systems that use a distributor.
- 5 A _____ uses one ignition coil to fire the spark plugs for two cylinders at the same time.
- 10 The PCM uses the _____ to listen for pinging.