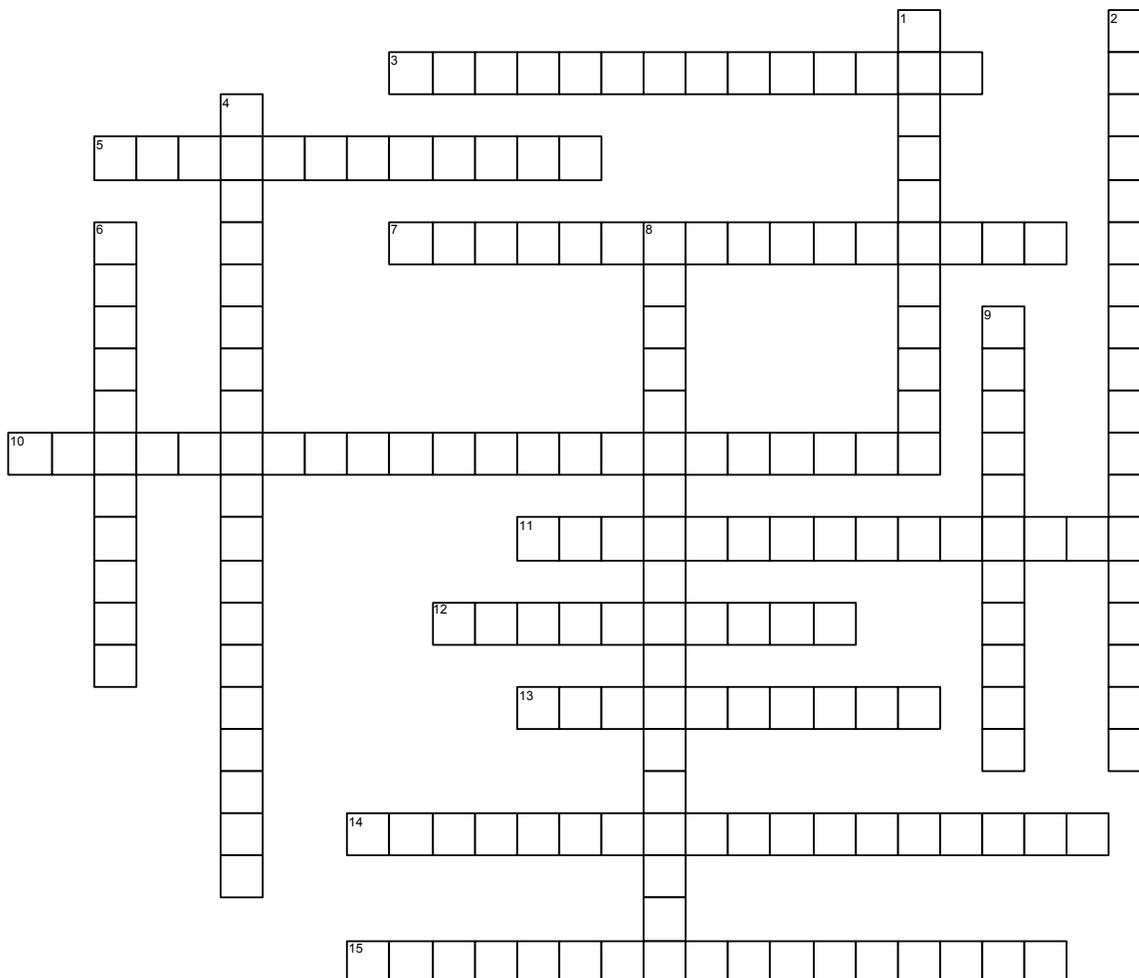


# Ignition System

## Chapter 39



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### ACROSS

- 3 The PCM uses the knock sensor to listen for engine spark knock to determine if the \_\_\_\_\_ needs to be changed to prevent engine damage.
- 5 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 \_\_\_\_\_.
- 7 A \_\_\_\_\_ uses one ignition coil to fire the spark plugs for two cylinders at the same time.
- 10 A \_\_\_\_\_ is a triggering device used in a distributor

ignition system.

- 11 The \_\_\_\_\_ system is used to trigger and therefore create the secondary spark from the ignition coil.
- 12 A \_\_\_\_\_ is another name for a magnetic pulse generator.
- 13 \_\_\_\_\_ are manufactured from ceramic insulators inside a steel shell.
- 14 \_\_\_\_\_ ignition uses one ignition coil for each spark plug.
- 15 Most \_\_\_\_\_ use a small amount of iridium welded onto the tip of a small center electrode, 0.015 to 0.020 in. in diameter.

### DOWN

- 1 The PCM uses the \_\_\_\_\_ to

listen for pinging.

- 2 \_\_\_\_\_ is the term specified by SAE for ignition systems that does not use a distributor.
- 4 \_\_\_\_\_ is the term specified by SAE for ignition systems that use a distributor.
- 6 \_\_\_\_\_ means the order that the spark is distributed to the correct spark plug at the right time.
- 8 \_\_\_\_\_ 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.
- 9 On a distributor equipped engine, remove the coil wire from the center of the distributor cap, install a \_\_\_\_\_, and crank the engine.