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 ping.

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.