Ignition System
Chapter 30

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 sparkplugs for two cylinders at the same time.

10 The PCM uses the _______ ______ to listen for pinging.