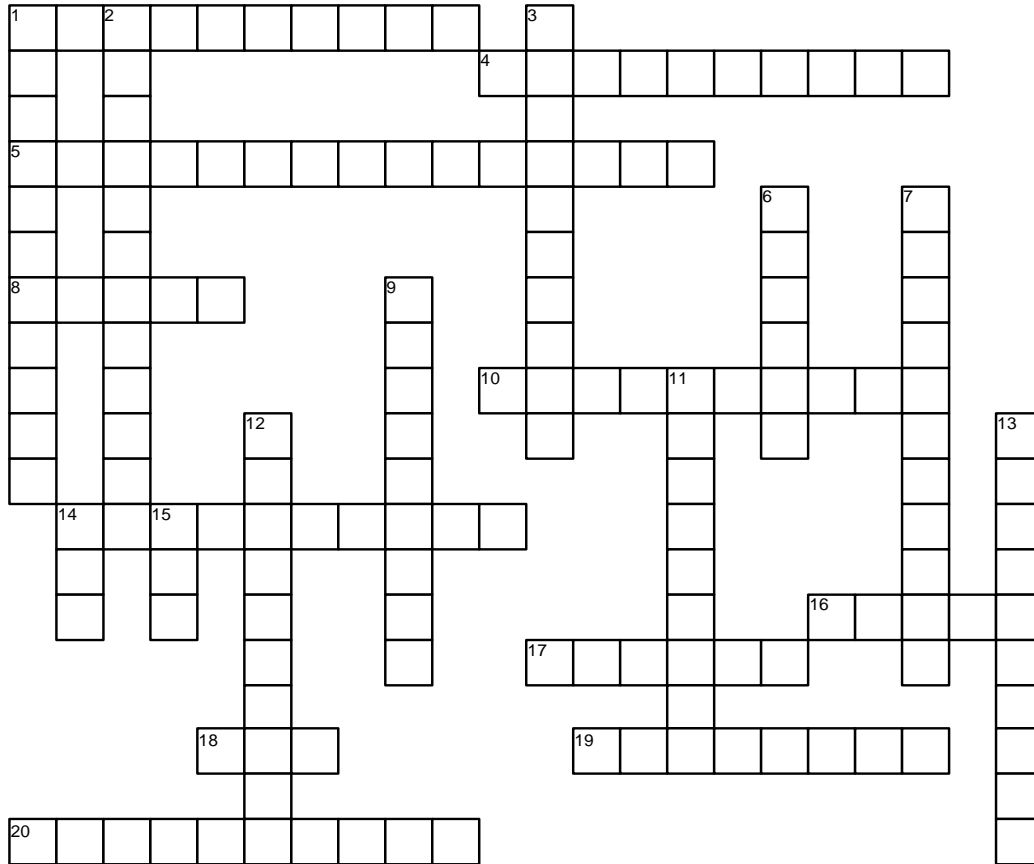


Ignition System Parts And Operation

Chapter 68



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ACROSS

- 1 ____-____ ignition uses one ignition coil for each spark plug.
- 4 _____ has the ability to generate a voltage signal in semiconductor material by passing current through it in one direction and applying a magnetic field to it at a right angle to its surface.
- 5 The ignition components that regulate the current in the coil primary winding by turning it on and off are known collectively as the _____ circuit.
- 8 _____ is the terminology Ford used to refer to ignition control.
- 10 The primary circuit current switching is controlled by a _____ inside the ignition module or igniter.
- 14 _____ ignition is the term specified by the SAE for an ignition system that does not use a distributor.
- 16 _____ sensors are used to detect

abnormal combustion.

- 17 Ignition _____ refers to when the spark plug fires in relation to the piston position.
- 18 Waste-spark ignition is another name for the _____.
- 19 _____ sensor is a simple and common ignition electronic switching device.
- 20 In an ____-____ ignition system, the spark plug itself becomes a sensor.

DOWN

- 1 Engines equipped with _____-sensing ignition systems do not require the use of a camshaft position sensor to determine specific cylinder numbers.
- 2 The _____ creates a high-voltage spark by electromagnetic induction.
- 3 _____ systems use one ignition coil to fire the spark plugs for two cylinders at the same time.

- 6 With _____ ignition control, the engine starts using the ignition module for timing control and then switches to the PCM for timing control after the engine starts.
- 7 _____ ignition is the term specified by the SAE for an ignition system that uses a distributor.
- 9 Each end of the secondary winding is connected to the spark plug of the cylinder exactly opposite the other in the firing order, called a _____ cylinder.
- 11 The turning on and off of the primary circuit is called _____.
- 12 _____ is another name for abnormal combustion.
- 13 _____ is another name for abnormal combustion.
- 14 The coil-on-plug system eliminates the spark plug wires that are the source of _____ that can cause problems to some computer signals.
- 15 _____ is the terminology GM used to refer to ignition control.