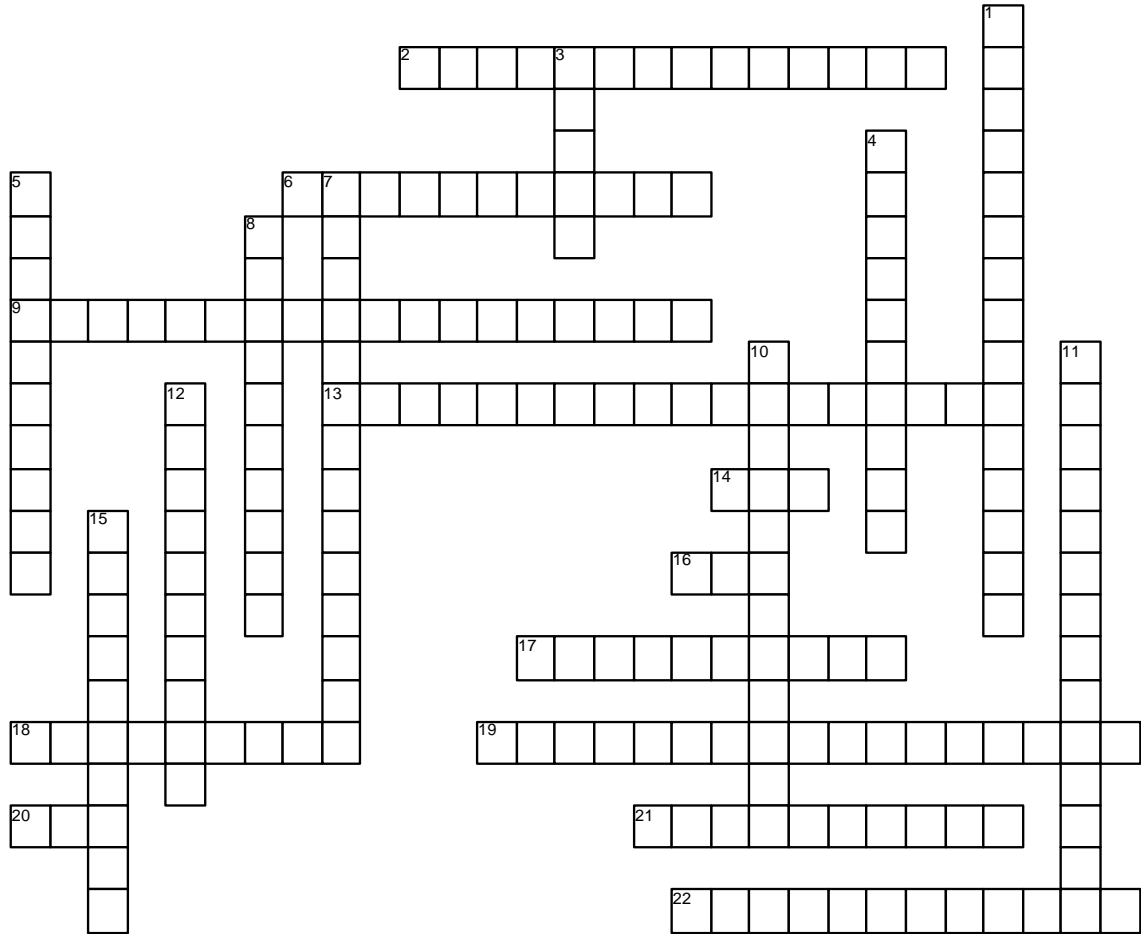


Ignition System Components And Operation

Chapter 29



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ACROSS

- 2 With _____ control, the engine starts using the ignition module for timing control and then switches to the PCM for timing control after the engine starts.
- 6 _____ ignition is the term specified by the SAE for an ignition system that uses a distributor.
- 9 Engines equipped with _____ ignition systems do not require the use of a camshaft position sensor to determine specific cylinder numbers.
- 13 In an _____ system, the spark plug itself becomes a sensor.
- 14 Waste-spark ignition is another name for the _____.

- 16 The coil-on-plug system eliminates the spark plug wires that are often the source of _____ that can cause problems to some computer signals.
- 17 _____ is another name for abnormal combustion.
- 18 The turning on and off of the primary circuit is called _____.
- 19 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 _____.
- 20 _____ is the terminology GM used to refer to ignition control.
- 21 _____ ignition uses one ignition coil for each spark plug.

- 22 _____ are used to detect abnormal combustion.

DOWN

- 1 The ignition components that regulate the current in the coil primary winding by turning it on and off are known collectively as the _____ circuit.
- 3 _____ is the terminology Ford used to refer to ignition control.
- 4 _____ is another name for abnormal combustion.
- 5 _____ ignition is the term specified by the SAE for an ignition system that does not use a distributor.
- 7 _____ refers to when the spark plug fires in relation to the piston

- position.
- 8 _____ systems use one ignition coil to fire the spark plugs for two cylinders at the same time.
- 10 The _____ creates a high-voltage spark by electromagnetic induction.
- 11 _____ is a simple and common ignition electronic switching device.
- 12 _____ 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.
- 15 The primary circuit current switching is controlled by a _____ inside the ignition module or igniter.