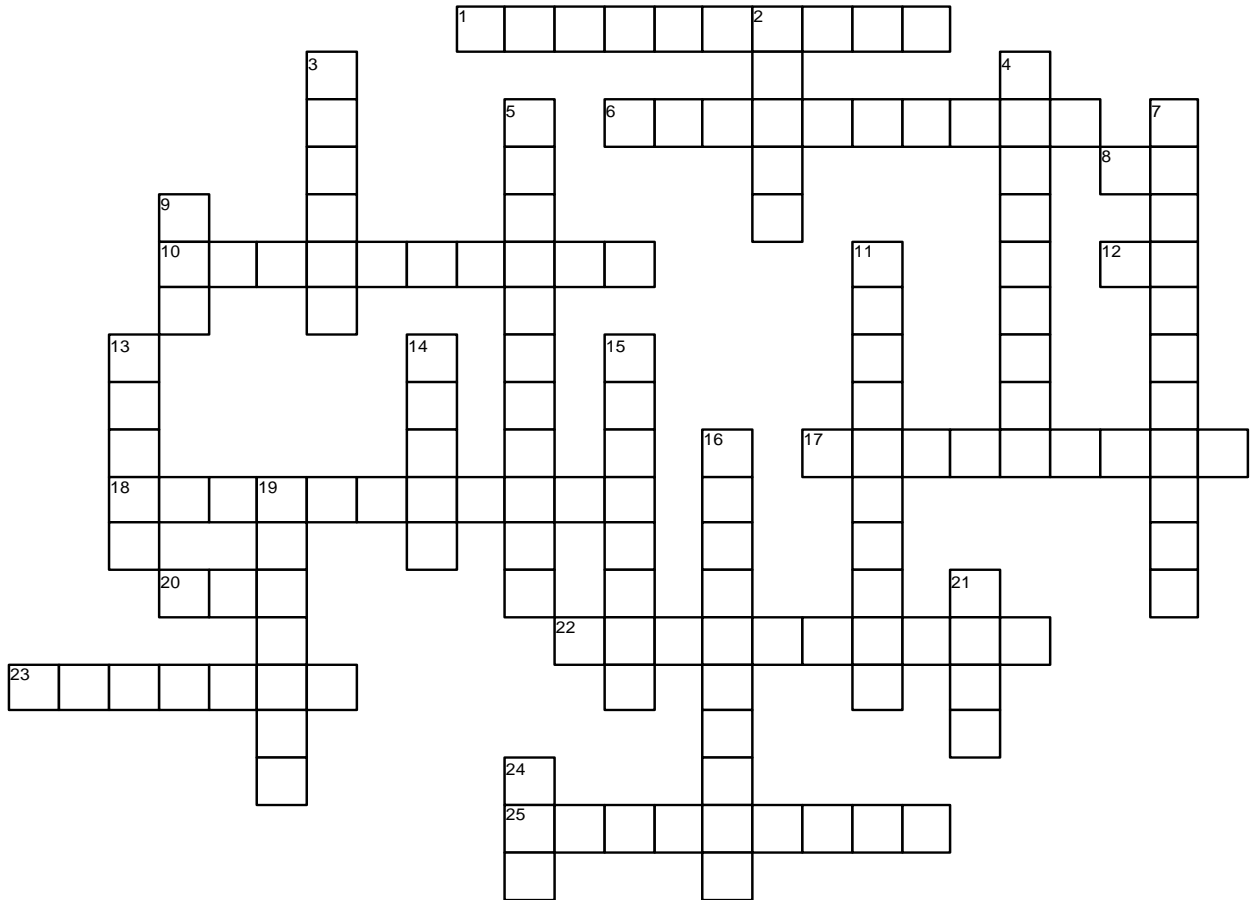


Ignition System Components And Operation

Chapter 16



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ACROSS

- 1 The primary circuit current switching is controlled by a _____ inside the ignition module or igniter.
- 6 _____ is another name for abnormal combustion.
- 8 _____ is the term specified by the SAE for an ignition system that does not use a distributor.
- 10 In an ____-_____ ignition system, the spark plug itself becomes a sensor.
- 12 _____ is the term specified by the SAE for an ignition system that uses a distributor.
- 17 Surrounding the laminated core are approximately 20,000 turns of fine wire called the _____ winding.
- 18 Engines equipped with _____-sensing ignition systems do not require the use of a camshaft position sensor to determine specific cylinder numbers.
- 20 The coil-on-plug system eliminates the spark plug wires that are often the source of _____ that can cause problems to some computer signals.
- 22 A _____ is another name for a magnetic sensor.
- 23 _____ sensors use light from an LED and a phototransistor to signal the computer.
- 25 The turning on and off of the primary circuit is called _____.

DOWN

- 2 _____ is the terminology Ford used to refer to ignition

control.

- 3 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.
- 4 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.
- 5 _____ uses one ignition coil for each spark plug.
- 7 _____ means the order that the spark is distributed to the correct spark plug at the right time.
- 9 Waste-spark ignition is another name for the _____.
- 11 _____ has the ability to generate a voltage signal in semi-conductor material by passing current through it in one direction and applying a magnetic field to it at a right angle to its surface.
- 13 _____ sensors are used to detect abnormal combustion.
- 14 A _____ generator is another name for a magnetic sensor.
- 15 A _____ sensor is a simple and common ignition electronic switching device.
- 16 _____ is another name for abnormal combustion.
- 19 Surrounding the secondary windings are approximately 150 turns of heavy wire called the _____ winding.
- 21 _____ is another name for abnormal combustion.
- 24 _____ is the terminology GM used to refer to ignition control.