ACROSS
1 Engines equipped with ______-_______ ________ systems do not require the use of a cam shaft position sensor to determine specific cylinder numbers.
5 ______________ is a simple and common ignition electronic switching device.
8 ________ _______ is another name for abnormal combustion.
9 The turning on and off of the primary circuit is called _______.
10 A _______ __________ is another name for a magnetic sensor.
11 ______ is the term specified by the SAE for an ignition system that does not use a distributor.
12 A _______ is another name for a magnetic sensor.
15 In an ___-______ _______ system, the spark plug itself becomes a sensor.
19 Surrounding the laminated core are approximately 20,000 turns of fine wire called the ________ ________.
20 _______ is the terminology Ford used to refer to ignition control.
21 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 _______ _______ use light from an LED and a phototransistor to signal the computer.
24 _______ _______ are used to detect abnormal combustion.

DOWN
1 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 _________
2 ______ is the terminology GM used to refer to ignition control.
3 The primary circuit current switching is controlled by a _______ inside the ignition module or igniter.
4 Surrounding the secondary windings are approximately 150 turns of heavy wire called the _______ _______.
6 _______ uses one ignition coil for each spark plug.
7 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.
13 Waste spark ignition is another name for the _______.
14 _______ _______ means the order that the spark is distributed to the correct spark plug at the right time.
16 _______ _______ 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.
17 ______ is the term specified by the SAE for an ignition system that uses a distributor.
23 ______ is another name for abnormal combustion.