

Automotive Technology 7th Edition
Chapter 68: Ignition System Parts and Operation
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--------------------------------|--|-----------|
| 1. Ignition System | A. The point at which a coil's maximum magnetic field strength is reached. | 1. _____ |
| 2. Ignition Coil | B. Components and wiring necessary to create and distribute a high voltage to the spark plug. | 2. _____ |
| 3. Self-induction | C. The generation of an electric current in both primary and secondary coil windings due to a collapsing magnetic field. | 3. _____ |
| 4. Mutual Induction | D. Uses one ignition coil for each spark plug, eliminating spark plug wires. | 4. _____ |
| 5. Saturation | E. Creates a high-voltage spark by electromagnetic induction. | 5. _____ |
| 6. Switching | F. The turning on and off of the primary circuit to create a high-voltage spark. | 6. _____ |
| 7. Trigger (device) | G. Detects abnormal combustion (ping, spark knock, or detonation) in the engine. | 7. _____ |
| 8. Waste-spark ignition system | H. A device that signals the switching of the coil on and off. | 8. _____ |
| 9. Coil-on-plug (COP) ignition | I. An opposing current created in the windings of a coil when current starts to flow into it. | 9. _____ |
| 10. Knock Sensor | J. Uses one ignition coil to fire the spark plugs for two cylinders at the same time. | 10. _____ |

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Answer Key

Answer Key:

1. B
2. E
3. I
4. C
5. A
6. F
7. H
8. J
9. D
10. G