

Automotive Technology 7th Edition
Chapter 69
Multiple Choice Quiz A

Name: _____ Date: _____

1. Why did the customer at the independent service center prefer the use of Original Equipment Manufacturer (OEM) spark plugs?
 - A. Because they were cheaper
 - B. Because he owned shares of General Motors
 - C. Because they were more durable
 - D. Because they were recommended by the technician

2. What is the purpose of the "Two-Finger Trick" during spark plug installation?
 - A. To ensure the spark plug is tightened to the correct torque
 - B. To prevent overtightening of the spark plug
 - C. To ensure the spark plug is installed at the right angle
 - D. To test the strength of the technician

3. What visual indication might a spark plug show if an engine had a blown head gasket?
 - A. Black soot
 - B. Blue glow
 - C. White deposits
 - D. Greenish tint

4. What is the significance of a "snapping" sound during a secondary ignition inspection?
 - A. It indicates a properly functioning spark plug
 - B. It indicates a defective spark plug
 - C. It indicates a weak battery
 - D. It indicates a misfiring cylinder

5. How can a technician test for intermittent problems in the ignition system?
 - A. By using a torque wrench
 - B. By using a spray bottle to apply a water mist
 - C. By using an oscilloscope
 - D. By using a multimeter

6. What does the firing line in a scope pattern show?
 - A. The duration of the spark
 - B. The intensity of the spark
 - C. The voltage required to fire the spark plug
 - D. The resistance of the spark plug

7. In a waste-spark system, which spark requires a higher voltage level?
 - A. The waste spark
 - B. The power spark
 - C. Both require the same voltage level
 - D. Neither, as the voltage level is determined by the coil

8. What is the purpose of using a spark tester during ignition system diagnosis?

- A. To measure the resistance of the spark plug
- B. To measure the voltage of the spark plug
- C. To test the durability of the spark plug
- D. To visually confirm the presence of a spark

9. What is a common visual indication on a spark plug that suggests a possible engine performance problem?

- A. A rounded center electrode
- B. A cracked ceramic insulator
- C. A rusted metal shell
- D. A bent side electrode

10. Why does General Motors not recommend the use of anti-seize compound on spark plug threads installed in an aluminum cylinder head?

- A. It can cause the spark plug to be overtightened
- B. It can corrode the aluminum
- C. It can reduce the spark plug's efficiency
- D. It can cause the spark plug to loosen over time

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Answer Key

1. B

2. B

3. C

4. B

5. B

6. C

7. B

8. D

9. A

10. A