

Name: _____ Date: _____

1. What is the purpose of the injector pressure-drop balance test?
 - A. To check the electrical functioning of the injector
 - B. To test for mechanical defects that could affect fuel flow
 - C. To ensure equal fuel flow through each injector
 - D. All of the above

2. Why would fuel injectors at the bends and ends of the fuel rail tend to become clogged?
 - A. Due to higher pressure at these points
 - B. Because of sediment settling at low flow areas
 - C. Due to the design of the fuel rail
 - D. Because of the temperature differences along the rail

3. What does an injector voltage drop test indicate?
 - A. The health of the injector's coil
 - B. The injector's response time
 - C. The fuel pressure within the injector
 - D. The electrical resistance of the injector

4. What is the characteristic of a saturated switch-type fuel injector?
 - A. It uses high-resistance coil injectors.
 - B. It requires a constant voltage supply.
 - C. It is controlled by a variable-duration connection to ground.
 - D. It has a faster response time than other types.

5. What can cause a rapid pressure drop in the fuel system after the engine is turned off?
 - A. A clogged fuel filter
 - B. A leaking fuel injector
 - C. A defective fuel pump check valve
 - D. Both B and C

6. What is the significance of using the vehicle's own gasoline for fuel system service?
 - A. To maintain fuel consistency
 - B. To prevent contamination
 - C. To avoid using stale gasoline
 - D. All of the above

7. What is the recommended resistance variance between fuel injectors when conducting an equal resistance test?
 - A. Within 0.1 ohm of each other
 - B. Within 0.2 ohm of each other
 - C. Within 0.3 ohm of each other
 - D. Within 0.4 ohm of each other

8. What does a scope test of fuel injectors typically measure?

- A. Fuel pressure
- B. Injector pulse width
- C. Voltage drop across the injector
- D. Resistance of the injector coil

9. What is the recommended action if three out of six injectors are found to be defective?

- A. Replace only the defective injectors
- B. Clean and reuse the good injectors
- C. Replace all six injectors
- D. Test all injectors again after a certain period

10. What is the result of a higher-than-normal voltage drop across an injector during a voltage-drop test?

- A. The injector is functioning properly
- B. The injector windings have higher-than-normal resistance
- C. The injector has a faster response time
- D. The injector requires cleaning

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Multiple Choice Quiz B

Answer Key

1. D

2. B

3. D

4. A

5. D

6. D

7. D

8. B

9. C

10. B