

Automotive Technology 7th Edition
Chapter 93
Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the purpose of the antilock functional failure test?
 - A. To ensure service brakes function correctly in the event of an ABS failure
 - B. To check the color of the ABS warning lamp
 - C. To measure the brake fluid viscosity
 - D. To verify the brake pedal height

2. What is the purpose of the stops with the engine off test?
 - A. To ensure the vehicle can stop without power assist
 - B. To test the battery's ability to maintain brake pressure
 - C. To check the brake fluid level sensor
 - D. To measure the brake line pressure

3. What is the primary function of the ABS in a vehicle?
 - A. To increase the vehicle's stopping distance
 - B. To pulse the brakes on and off to maintain directional stability
 - C. To lock the wheels during braking
 - D. To reduce the brake fluid consumption

4. What is the typical component of an ABS used on a rear-wheel-drive vehicle?
 - A. Brake control module
 - B. Hydraulic control modulator
 - C. Master cylinder
 - D. All of the above

5. What does the amber ABS warning lamp indicate?
 - A. A successful self-test
 - B. A possible problem in the ABS
 - C. The need for brake fluid replacement
 - D. Both A and B

6. What is the purpose of the Federal Motor Vehicle Safety Standards (FMVSS)?
 - A. To ensure safe braking performance
 - B. To regulate vehicle paint standards
 - C. To standardize vehicle weights
 - D. To mandate the use of specific brake fluid brands

7. What is the purpose of RPO codes starting with "J" in GM vehicles?
 - A. To indicate the type of brake fluid used
 - B. To specify the brake system's type or rating
 - C. To denote the vehicle's engine power
 - D. To classify the vehicle's suspension rating

8. What does the Service Parts Identification (RPO) sticker provide information about?

- A. The vehicle's optional equipment at the time of build
- B. The vehicle's original paint color
- C. The vehicle's engine specifications
- D. The vehicle's tire sizes

9. What is the role of the brake master cylinder in an ABS?

- A. To control the brake pedal pulsations
- B. To distribute oxygen over the membrane surface
- C. To apply pressure to the wheels
- D. To activate the brake lights

10. What is the purpose of the ABS computer reapplying pressure to a wheel?

- A. To lock the wheel
- B. To release all brake pressure
- C. To maintain maximum braking force while preventing lockup
- D. To increase the vehicle's stopping distance

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Answer Key

1. A

2. A

3. B

4. D

5. D

6. A

7. B

8. A

9. C

10. C