

Automotive Technology 7th Edition
Chapter 102
Multiple Choice Quiz B

Name: _____ Date: _____

1. What is the result of adjusting the parking brake cable too tight?
 - A. The rear brakes may drag and overheat
 - B. The parking brake will be easier to apply
 - C. The service brake pedal will become higher
 - D. The parking brake will release automatically

2. What is the correct procedure if the parking brake requires more than the specified clicks?
 - A. Tighten the control cable
 - B. Inspect and adjust the rear brakes
 - C. Apply more force to the parking brake lever
 - D. Shorten the transfer cable

3. What should be checked if the rear brake lining is usable but the service brake pedal is low?
 - A. The parking brake cable adjustment
 - B. The operation of the self-adjustment mechanism
 - C. The vacuum servo operation
 - D. The ratchet mechanism condition

4. What is the function of the vacuum servo in automatic parking brake release mechanisms?
 - A. To lock the parking brake
 - B. To apply the parking brake
 - C. To operate the release lever
 - D. To adjust the parking brake cable

5. What is the correct way to release the parking brake in the case study provided?
 - A. Depressing the parking brake pedal
 - B. Pulling on the release lever
 - C. Pushing a button on the dashboard
 - D. Turning the ignition key

6. What is the significance of the term "parking brake" replacing "emergency brake"?
 - A. It indicates a change to dual master cylinder design
 - B. It reflects the use of the brake for regular parking only
 - C. It signifies an upgrade to the brake system
 - D. It denotes a legal requirement for naming

7. What is the typical function of a parking brake on a vehicle equipped with rear drum brakes?
 - A. To hold the vehicle stationary on a flat surface
 - B. To assist the service brakes during normal operation
 - C. To provide additional braking power during emergencies
 - D. To act as a redundant system in case of hydraulic failure

8. How does an integral rear disc brake system's parking brake typically function?
- A. By using a separate mechanical method
 - B. By applying the service brake hydraulic system
 - C. By engaging a secondary brake drum
 - D. By moving an actuator screw in the caliper
9. What are the two types of electric parking brakes mentioned in the chapter?
- A. Cable-pull and hydraulic
 - B. Motor-on-caliper and servo
 - C. Cable-pull and motor-on-caliper
 - D. Hydraulic and servo
10. What is the technician's correct statement regarding the adjustment of the parking brake cable at each wheel?
- A. Technician A says it should be done
 - B. Technician B says it is usually done after adjusting the rear brakes
 - C. Both Technicians A and B
 - D. Neither Technician A nor B

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Answer Key

1. A

2. B

3. B

4. C

5. B

6. A

7. D

8. B

9. C

10. B