

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 102: Parking Brake Operation, Diagnosis, and Service**  
**Matching Quiz**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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

- |                                 |   |           |
|---------------------------------|---|-----------|
| 1. FMVSS 135                    | A. A component that balances force and transmits it equally to each rear brake assembly.        | 1. _____  |
| 2. Ratchet Mechanism            | B. A system that uses an electric motor to apply the parking brake.                             | 2. _____  |
| 3. Control Cables               | C. These attach to the parking brake pedal, lever, or handle inside the vehicle.                | 3. _____  |
| 4. Application Cables           | D. A system where the rear service brakes are mechanically applied to act as the parking brake. | 4. _____  |
| 5. Intermediate Lever           | E. A device used in some automatic release systems to disengage a pedal-operated parking brake. | 5. _____  |
| 6. Equalizer                    | F. The federal standard requiring a parking brake to hold a loaded vehicle on a 20% grade.      | 6. _____  |
| 7. Integral Drum Parking Brakes | G. This component locks the brake in the applied position.                                      | 7. _____  |
| 8. Ball and Ramp Actuation      | H. A lever in the linkage under the vehicle used to increase application force.                 | 8. _____  |
| 9. Electric Parking Brake (EPB) | I. A caliper-actuating system using steel balls in ramp-shaped detents.                         | 9. _____  |
| 10. Vacuum Servo                | J. These use force from the linkage to apply the rear-wheel brake assemblies.                   | 10. _____ |

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**Answer Key**

**Answer Key:**

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