

Automotive Technology 7th Edition
Chapter 104: Power Brake Unit Operation, Diagnosis, and Service
Short Answer Quiz

Name: _____ Date: _____

1. Describe the typical hydraulic line arrangement in a Hydro-Boost system and its components.

2. Explain the operation of a Hydro-Boost hydraulic booster in the unapplied position.

3. Discuss the importance of pushrod clearance in a Hydro-Boost system and the consequences of incorrect adjustment.

4. Outline the operation of a vacuum power unit and the components within the power-piston assembly.

5. Explain the principles of vacuum and how it applies to the operation of vacuum brake boosters.

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6. Describe the process and significance of a vacuum booster operation test.

7. Discuss the purpose and function of a Brake Assist System (BAS) and how it detects a panic stop.

8. Explain the relationship between engine vacuum, brake booster performance, and potential brake pedal pulsation issues.

9. Describe the pressure differential concept and its relevance to vacuum-powered brake boosters.

10. Discuss the adjustments and measurements necessary when replacing a vacuum brake booster or master cylinder.
