

Automotive Technology 7th Edition

**Chapter 104: Power Brake Unit Operation, Diagnosis, and Service
Matching Quiz**

Name: _____

Date: _____

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

- | | | |
|-------------------------------------|---|-----------|
| 1. Vacuum | A. A motor-driven pump that supplements engine vacuum for the booster. | 1. _____ |
| 2. Pressure Differential | B. A one-way valve that prevents vacuum loss from the booster when the engine is off. | 2. _____ |
| 3. Vacuum Check Valve | C. A unit that uses hydraulic pressure from the power steering pump for brake assist. | 3. _____ |
| 4. Dual-Diaphragm Booster | D. A system that applies maximum braking force during a detected panic stop. | 4. _____ |
| 5. Brake Assist System (BAS) | E. The pressure exerted by the atmosphere, about 14.7 PSI at sea level. | 5. _____ |
| 6. Hydro-Boost | F. The area inside a booster separated into two chambers by a flexible diaphragm. | 6. _____ |
| 7. Accumulator | G. Any pressure that is lower than atmospheric pressure. | 7. _____ |
| 8. Atmospheric Pressure | H. A booster design using two diaphragms to increase force without increasing diameter. | 8. _____ |
| 9. Power Chamber | I. Stores pressurized hydraulic fluid as a reserve for a Hydro-Boost unit. | 9. _____ |
| 10. Supplemental Brake Assist (SBA) | J. The difference in pressure between two areas. | 10. _____ |

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Matching Quiz

Answer Key

Answer Key:

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