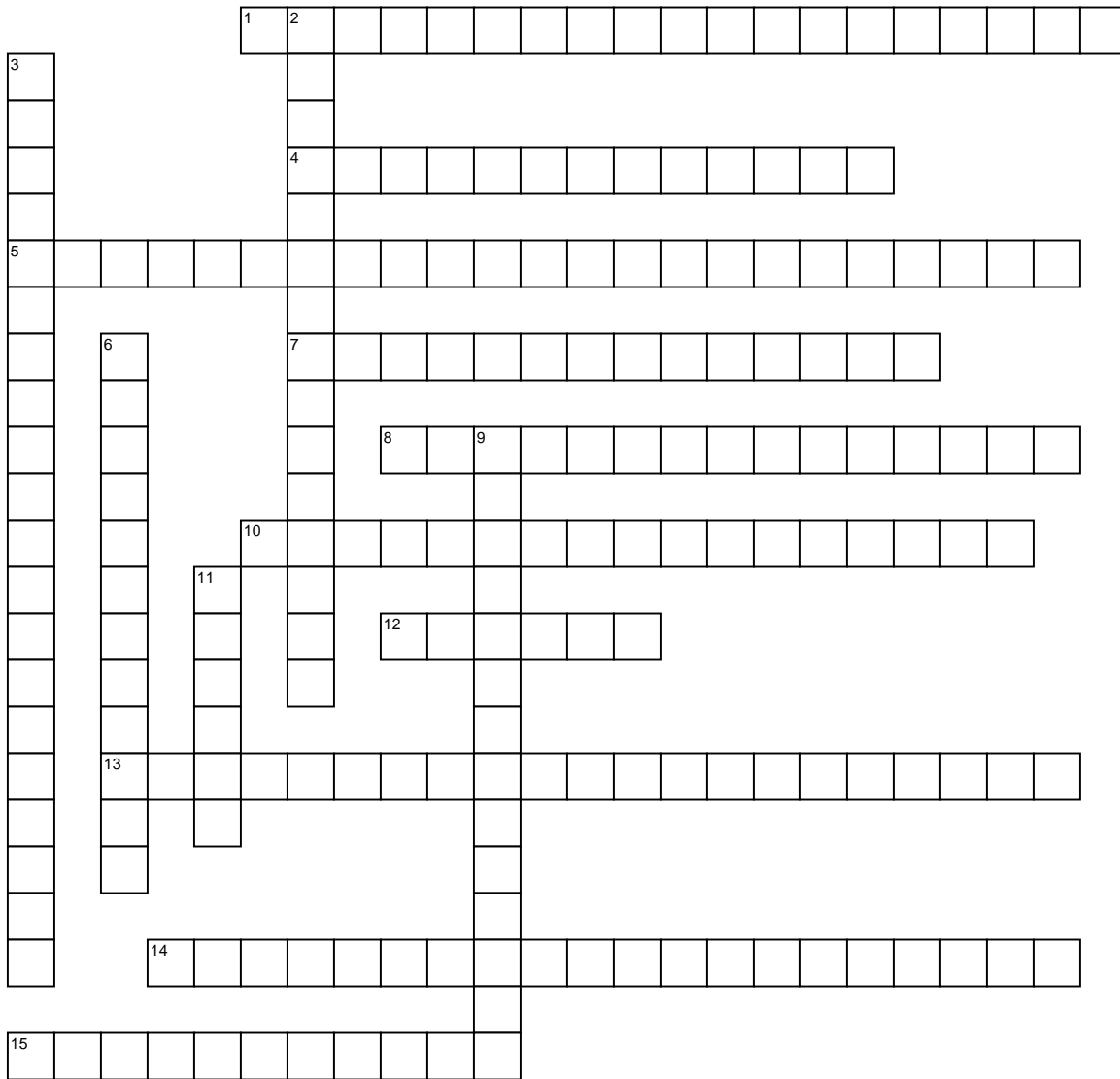


# Power Brake Unit Operation, Diagnosis, And Service

## Chapter 16



<http://jameshalderman.com>

### ACROSS

- 1 \_\_\_\_\_ varies with altitude, but is approximately 14.7 PSI at sea level.
- 4 \_\_\_\_\_ is another name for the tandem-diaphragm vacuum booster.
- 5 \_\_\_\_\_ is a motor-driven vacuum pump that can supplement engine vacuum to the vacuum brake booster.
- 7 Most vacuum-powered brake boosters get their vacuum supply from the engine \_\_\_\_\_.
- 8 The English measurement for vacuum is in \_\_\_\_\_.
- 10 Some vehicles are equipped with a \_\_\_\_\_ that applies the brakes with maximum force if the system detects that the driver is making a panic stop.
- 12 The term \_\_\_\_\_ is used to refer to any pressure lower than atmospheric pressure.
- 13 Vacuum boosters use the principle of pressure differential to

increase \_\_\_\_\_.

- 14 The metric measurement for vacuum is in \_\_\_\_\_.
- 15 The \_\_\_\_\_ stores hydraulic fluid under pressure to provide a reserve in the event of a failure of the power steering system.

### DOWN

- 2 The \_\_\_\_\_-\_\_\_\_\_ vacuum booster design increases the total area without increasing the physical diameter of the booster.
- 3 The difference in pressure between two areas is called a \_\_\_\_\_.
- 6 The typical vacuum booster has a \_\_\_\_\_ separated into two smaller chambers by a flexible diaphragm.
- 9 The \_\_\_\_\_ attracts and holds gasoline vapors and keeps fumes from entering the vacuum booster.
- 11 All vacuum boosters use a \_\_\_\_\_-\_\_\_\_\_ vacuum check valve.