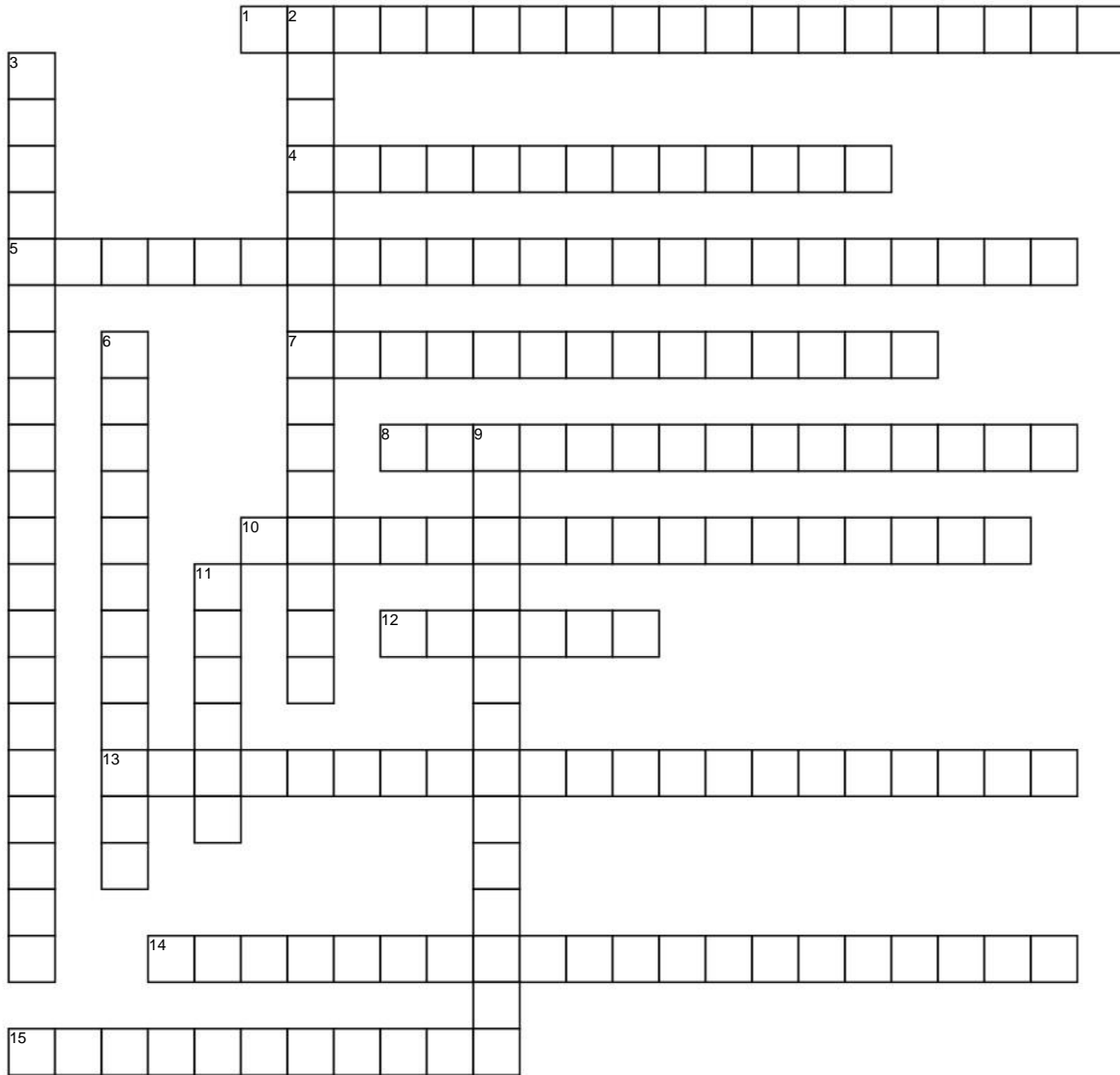


Power Brake Unit Operation, Diagnosis, And Service

Chapter 16



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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.