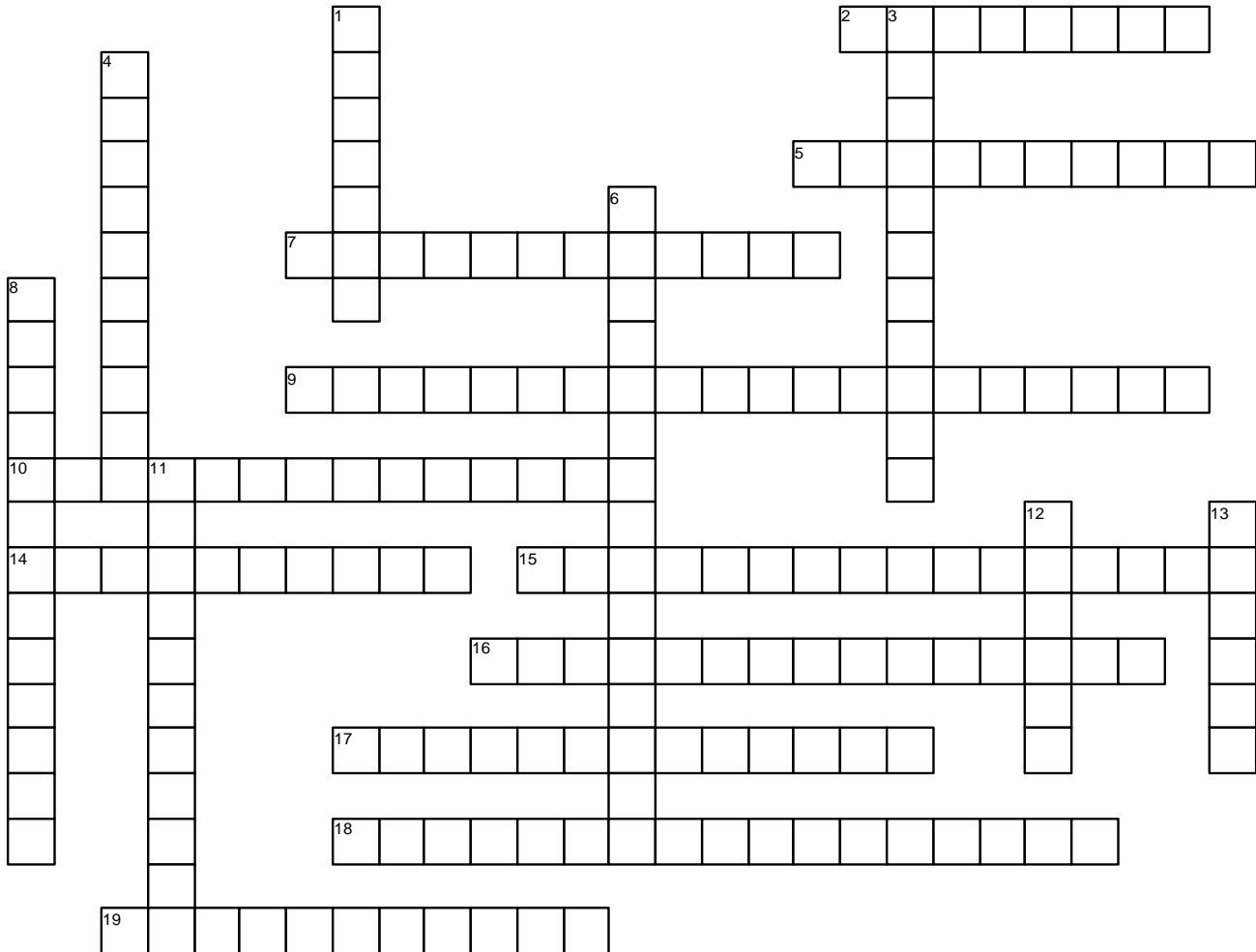


Power Brake Unit Operation, Diagnosis, And Service

Chapter 17



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ACROSS

- 2 Sometimes an engine _____ can destroy or blow the vacuum check valve out of the booster housing.
- 5 In a Hydro-Boost system, the fluid pressure from the power steering pump enters the unit and is directed by a _____.
- 7 The typical vacuum booster has a _____ separated into two smaller chambers by a flexible diaphragm.
- 9 The difference in pressure between two areas is called a _____.
- 10 Most vacuum-powered brake boosters get their vacuum supply from the engine _____.
- 14 The BAS function works with the _____ stability control (ESC) system to ensure maximum braking efficiency during evasive or

emergency situations.

- 15 Vacuum boosters use the principle of pressure differential to increase _____ force.
- 16 The English measurement for vacuum is in _____.
- 17 _____ is another name for the tandem-diaphragm vacuum booster.
- 18 _____ assist is a motor-driven vacuum pump that can supplement engine vacuum to the vacuum brake booster.
- 19 Some vehicles are equipped with a _____ system that applies the brakes with maximum force if the system detects that the driver is making a panic stop.

_____ length should be checked.

- 3 _____ pressure varies with altitude, but is approximately 14.7 PSI at sea level.
- 4 _____ is a hydraulically operated power-assist unit built by Bendix.
- 6 The _____ vacuum booster design increases the total area without increasing the physical diameter of the booster.
- 8 The metric measurement for vacuum is in _____ mercury.
- 11 The _____ stores hydraulic fluid under pressure to provide a reserve in the event of a failure of the power steering system.
- 12 The term _____ is used to refer to any pressure lower than atmospheric pressure.
- 13 All vacuum boosters use a _____ vacuum check valve.

DOWN

- 1 Whenever the vacuum brake booster or the master cylinder is replaced, the