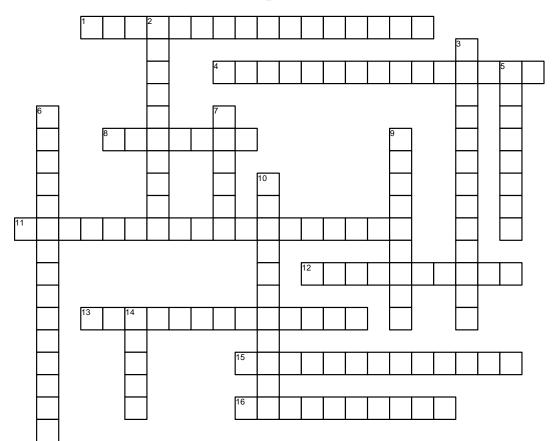
Hydraulic Valves And Switches

Chapter 7





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- 4 Many master cylinders, especially systems that are diagonal split, usually use a _____ _____ sensor or switch in the master cylinder reservoir.
- 8 If the button is steel, then _____
- **11** A _____ improves brake balance during hard stops by limiting hy draulic pressure to the rear brakes.
- 12 Before proportioning action will begin, brake system hydraulic pressure must reach a minimum level called the ______.
- **13** A ______ valve has been used on some drum brake systems to keep a slight amount of pressure, about 5 to 12 PSI, on the entire

hy draulic system for drum brakes.

- 15 A _____ is used on all front-disc, rear-drum-brakeequipped vehicles.
- 16 Most new vehicles use the _____ position sensor or switch as an input to the body computer for brake lights, ABS input signal, and ESC.

DOWN

- 2 The job of the _____ switch is to turn on the brake lights at the back of the vehicle when the brakes are applied.
- **5** The residual check valve has been eliminated by equipping the wheel

cy linder internal spring with a sealing cup ______ to prevent sealing cup lip collapse.

- 6 ______ proportioning in the antilock braking system is accomplished by monitoring frontand rear-wheel speeds, and reducing pressure to the rear brakes as needed using the ABS solenoids when there is a difference in wheel deceleration rates.
- 7 If the button is rubber coated, then you _____.
- 9 A metering valve consists of a piston controlled by a strong spring and a _____ controlled by a weak spring.
- 10 Often referred to as _____ proportioning (DRP), this system removes the need for a mechanical proportioning valve.
- **14** Brake engineers refer to the ratio of front to rear brake pressure proportioning as the _____.

