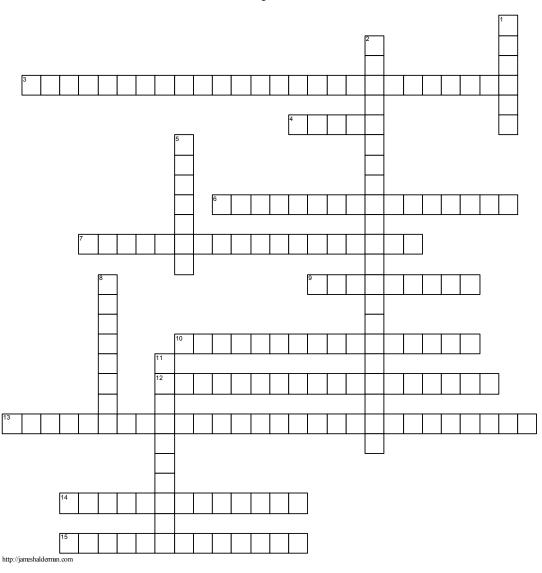
Hydraulic Valves And Switches

Chapter 95



ACROSS

- 3 A________ is used on all vehicles built after 1967 with dual master cylinders to warn the driver of a loss of pressure in one of the two separate systems by lighting the dashboard red brake warning indicator lamp.
- 4 Brake engineers refer to the ratio of front to rear brake pressure proportioning as the _____.
- Most vehicle manufacturers combine the function of a proportioning valve with one or more other valves into one unit called a
- 7 A has been used on some drum brake

- systems to keep a slight amount of pressure, about 5 to 12 PSI, on the entire hydraulic system for drum brakes.
- 9 A metering valve consists of a piston controlled by a strong spring and a ______ controlled by a weak spring.
- 10 The job of the ______is to turn on the brake lights at the back of the vehicle when the brakes are applied.
- improves brake balance during hard stops by limiting hydraulic pressure to the rear brakes.
- in the antilock
 braking system is accomplished
 by monitoring front- and 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.
- 14 A______is used on all front-disc, rear-drum-brake-equipped vehicles.
- 15 Many vehicles use a proportioning valve that varies the amount of pressure that can be sent to the rear brakes depending on the height of the rear suspension, this type of valve is called a ______ proportioning valve.

DOWN

1 If the button is rubber coated,

- then you_____.

 2 Many master cylinders, especially systems that are diagonal split, usually use a
- switch in the master cylinder reservoir.
- 5 If the button is steel, then___
- The residual checkvalve has been eliminated by equipping the wheel cylinder internal spring with a sealing cup _______to prevent sealing cup lip collapse.
- 11 Before proportioning action will begin, brake system hydraulic pressure must reach a minimum level called the ________.