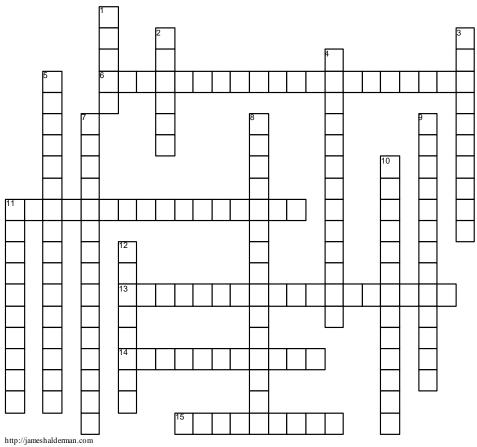
Hydraulic Valves And Switches Chapter 99



ACROSS

6	Aswitch 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.	
11	The job of the is to turn on the brake	
• •	lights at the back of the vehicle when the brakes are	
40	applied.	
13	A improves brake balance during	
	hard stops by limiting hydraulic pressure to the rear brakes.	
14	Often referred to as proprtioning (DRP), this	
	system removes the need for a mechanical proprtioning	
	v alv e.	
15	A metering valve consists of a piston controlled by a strong	
	spring and a controlled by a weak spring.	
DOWN		
1	Brake engineers refer to the ratio of front to rear brake	
	pressure proportioning as the	
2	If the button is rubber coated, then you	
	Before proportioning action will begin, brake system	
	hy draulic pressure must reach a minimum level called 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 aproportioning valve.
5	Most vehicle manufacturers combine the function of a
Ŭ	proportioning valve with one or more other valves into one
	unit called a
7	Many master cylinders, especially systems that are
'	diagonal split, usually use a sensor
	• • •
	switch in the master cylinder reservoir.
8	proportioning 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.
9	A is used on all front-disc, rear-drum-
	brake-equipped v ehicles.
10	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 hydraulic system for drum brakes.
11	Most new vehicles use the position (BPP)
• •	sensor or switch as an input to the body computer for many
	functions.
12	The residual check valve has been eliminated by equipping
	the wheel cylinder internal spring with a sealing cup
	to prevent sealing cup lip collapse



4 Many vehicles use a proportioning valve that varies the