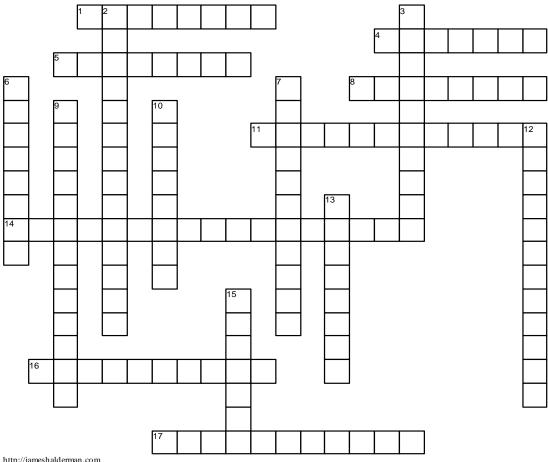
ABS Components And OperationChapter 17



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ACROSS

1	During the pressure stage, the release and/or
	isolation solenoids are closed and/or the additional solenoid
	energized so pressure can be reapplied to the brake from the
	master cylinder or accumulator to reapply the brake.
4	The term always refers to the number of separate or
	individually controlled ABS hydraulic circuits in an ABS
	system, not the number of wheel speed sensor electrical
	circuits.
5	Another name for a toothed sensor ring is the
8	The holding stage is when the solenoid is
	electrically closed, it becomes hydraulically closed, which
	blocks off the line and prevents any further pressure from the
	master cylinder reaching the brake.
11	A digital wheel speed sensor is also called an
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14	The first step in the standard ABS control strategy is to hold or
	isolate the pressure in a given brake circuit by closing an
16	The ABS warning light is also used for diagnostic purposes
	when retrieving from the ABS module.
17	systems combine the brake master cylinder
	and ABS hydraulic modulator, electric pump, and accumulator
	into one assembly.

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2	systems, which are sometimes referred to
	as "add-on" systems, have become the most common type of
	ABS system because of their lower cost and simplicity.
3	Most sensors consist of a magnetic pickup and
	a toothed sensor ring.
6	Traction is defined in terms of, which is the
	difference between the actual speed and the rate at which the
	tire tread moves across the road.
7	The is a pressurized storage reservoir.
9	If one wheel starts to slow at a faster rate than the others, or
	at a faster rate than that which is programmed in the antilock
	, it indicates a wheel is starting to slip and is
	in danger of losing traction and locking.
10	Preventing brake lockup is important because of the adverse $% \left(1\right) =\left(1\right) \left(1\right) $
	effect a locked wheel has on tire
12	Ford's version of a single-channel rear-wheel-only ABS
	system is called braking system
13	braking systems help prevent the wheels from
	locking during sudden braking, especially on slippery
	surfaces.
15	If the wheel speed sensor continues to indicate the wheel is
	slowing too quickly and is starting to lock, the same solenoid
	or a second solenoid is energized to open a vent
	port that releases pressure from the brake circuit.

