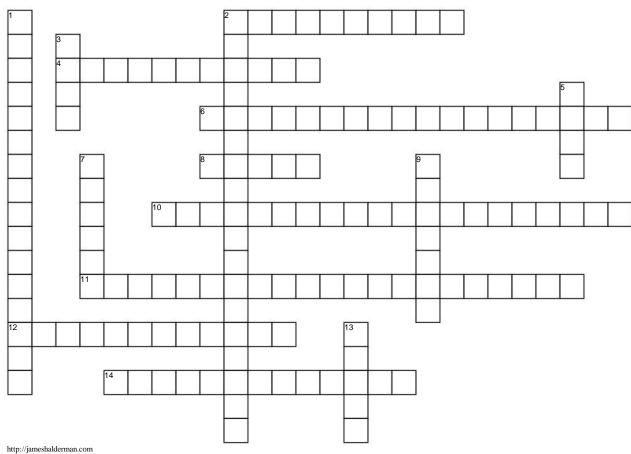


## **Regenerative Braking Systems**

Chapter 20



## **ACROSS**

## 2 Another name for friction brakes is \_\_\_\_ 4 The faster an object is \_\_\_\_\_, the more force that has to be applied. **6** In \_\_\_\_\_ brake systems, the amount of regeneration is proportional to the brake pedal position. **8** A shortened name for regeneration is \_\_\_\_\_. 10 A \_\_\_\_\_ braking system is less complex because the base brakes are used along with energy recovery by the motors becoming generators. 11 All series regenerative braking systems use an system, which includes the hydraulic control unit that manages the brake cylinder pressures, as well as the frontrear axle brake balance. is the process where electricty becomes electrical energy, which is directed to and recharges the high-voltage battery. 14 A hybrid electric vehicle relaims energy by converting the energy of a moving object, called \_\_\_\_, into electric energy.

## **DOWN**

1	Another name for regeneration is
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2	Some systems use a
	sensor as an input signal to the brake ECU.
3	is the amount of matter in an object.
5	When connected to batteries that can
	charge and discharge very quickly, the package
	is complete.
7	All vehicles generate to move the wheels
	to drive the vehicle down the road.
9	is the resistance of an object to change
	its state of motion.
13	A applied to move an object results in the
	equation: F = ma.