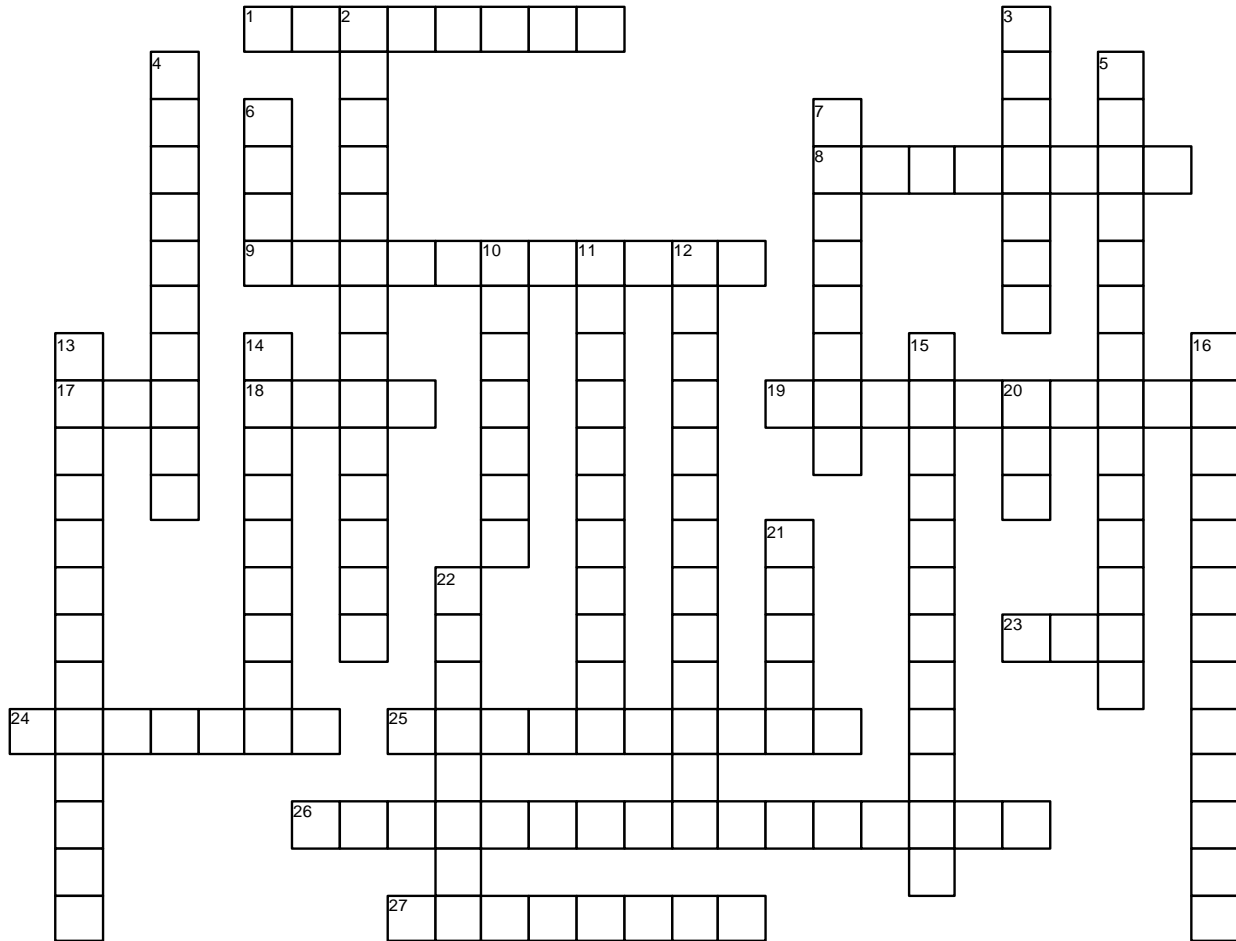


Electronic Suspension Systems

Chapter 10



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ACROSS

- 1 The steering wheel position sensor is found on most ____-____ dampening applications.
- 8 The bi-state damper is also known as a ____ controlled damper.
- 9 General Motors version of ESC is called ____.
- 17 Each photo interrupter consists of a ____ and a phototransistor.
- 18 The handwheel sensor produces two digital signals, which are used by the ____.
- 19 The ____ switch activates the bi-state dampers at all four corners of the vehicle, allowing the driver to select vehicle ride characteristics.
- 23 Whenever working on the suspension system, check the ____ code for the type of suspension used.
- 24 The ____ sensor provides information to the suspension control module and the EBCM.
- 25 The control of a solenoid using the pulsing-on-and-off method is called ____-____ modulation.
- 26 Inside the sensor, the LEDs and

____ are positioned opposite each other on each side of the slotted disc.

- 27 By applying an electrical current to the _____, it rotates from a strong field area to a weaker field area.

DOWN

- 2 The _____ control system automatically adjusts the rear height of the vehicle in response to changes in vehicle loading and unloading.
- 3 _____-rheological is fluid used in monotube-type shock absorbers.
- 4 The amount of time the current is on compared to the amount of time it is off is called ____.
- 5 The _____ switch is a two- or three-mode switch, and is an input to the suspension control module.
- 6 The lateral accelerometer sensor is found on the more complex suspensions systems that incorporate the ____.
- 7 The _____ is used by the EBCM to help control the suspension system.
- 10 The function of the _____ accelerometer sensor is to provide the suspension control

module with feedback regarding vehicle cornering forces.

- 11 In the _____ mode, the damping level depends on vehicle speed.
- 12 The _____ sensor is also known as a linear Hall-effect sensor.
- 13 A simple _____ consists of a soft iron core with a coil of wire wrapped around it.
- 14 A dryer on the output side of the compressor contains silica gel _____, which removes moisture from the discharge air before it travels through the nylon air hoses to the air chamber of the rear shocks.
- 15 A _____ senses the vertical relationship between the suspension component and the body.
- 16 The function of the _____ position sensor is to provide the control module with signals relating to steering wheel position.
- 20 Another name for the ECM is the ____.
- 21 Sensors and switches provide _____ to the ECM.
- 22 The electrical signal causes an _____ to perform some type of mechanical action.