Automotive Technology 7th Edition
Chapter 114: Electronic Suspension Systems
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

1. Electronic Control Unit (ECU)	A. A device that receives output signals from the ECM and performs a mechanical action.	1. _____
2. Height Sensor	B. Entirely self-contained units that do not require external height sensors or an air pump to function.	2. _____
3. Lateral Accelerometer Sensor	C. Provides the suspension control module with feedback regarding vehicle cornering forces; also known as a G-sensor.	3. _____
4. Yaw Rate Sensor	D. A fluid that can rapidly change its viscosity when an electric current is sent to an electromagnetic coil.	4. _____
5. Actuator	E. Senses the vertical relationship between a suspension component and the vehicle's body.	5. _____
6. Solenoid	F. The General Motors version of the vehicle stability enhancement system (VSES).	6. _____
7. Automatic Level Control (ALC)	G. A small computer that receives input from sensors and sends output signals to system actuators.	7. _____
8. Self-Leveling Shocks	H. Informs the control module of the number of degrees the vehicle deviates from its intended direction.	8. _____
9. Magneto-Rheological (MR) Fluid	I. Uses an electromagnetic core as a plunger to open and close a passage or move a linkage.	9. _____
10. Stabilitrak	J. A system that automatically adjusts the vehicle's rear height in response to loading and unloading	10. ____

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Answer Key

Answer Key:

1. G
2. E
3. C
4. H
5. A
6. I
7. J
8. B
9. D
10. F