

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Where is the steering wheel sensor typically located? 1) _____
 - A) At the base of the steering column
 - B) At the center of the steering wheel, under the airbag
 - C) Near the steering gear
 - D) None of these

- 2) What term describes an electrical device controlled by an electronic module that performs some kind of mechanical action? 2) _____
 - A) Actuator
 - B) Activator
 - C) Driver
 - D) None of these

- 3) A lateral acceleration sensor is used to provide the suspension control module with feedback regarding _____ force. 3) _____
 - A) Cornering
 - B) Acceleration
 - C) Braking
 - D) All of the above

- 4) A vehicle height sensor mounts to the body of the vehicle and may be connected to the _____ by a link. 4) _____
 - A) Frame
 - B) Upper control arm
 - C) Lower control arm
 - D) None of these

- 5) Technician A says that a potentiometer returns a digital signal to the ECM. Technician B says that a potentiometer generally has a two terminal harness connected to it. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Technician A says that comparing the front vehicle height sensors to the rear sensors allows the ECM to determine body roll created by cornering force. Technician B says that vehicle height sensors are only located on the rear. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 7) What type signal is produced by a potentiometer? 7) _____
A) Analog
B) Digital
C) Pulse width modulated
D) None of these
- 8) The *firm* setting is usually selected by the electronic suspension control module whenever which of the following occurs? 8) _____
A) High speed
B) Rapid braking
C) Rapid acceleration
D) All of the above
- 9) A magneto-rheological suspension system uses _____. 9) _____
A) An electronic controller
B) A sensor at each wheel
C) An electromagnetic coil in each shock
D) All of the above
- 10) Which of the following is the LEAST likely sensor to cause an electronic suspension fault? 10) _____
A) Yaw sensor
B) Throttle position sensor
C) Steering wheel position sensor
D) Vehicle speed sensor

Answer Key

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1) A

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2) A

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3) A

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4) C

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5) D

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6) D

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7) A

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8) D

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9) D

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10) B

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