

Name _____

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

- 1) Two technicians are discussing electronic leveling systems. Technician A says that a weight should be placed in the vehicle as part of the diagnostic procedure. Technician B says that many ride height sensors are adjustable. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 2) The *firm* setting is usually selected by the electronic suspension control module whenever which of the following occurs?
 - A) High speed
 - B) Rapid braking
 - C) Rapid acceleration
 - D) Any of the above

- 3) What is the purpose of an electronically controlled suspension system?
 - A) Adjusts shock stiffness depending on conditions
 - B) Changes settings to firm for cornering
 - C) Selects soft for cruising
 - D) Any of the above

- 4) What are commonly used as actuators in electronic suspension systems?
 - A) Solenoids
 - B) Actuator motor
 - C) Stepper motor
 - D) Either A or B

- 5) How many wires are used with a potentiometer-type sensor?
 - A) Three
 - B) Two
 - C) One
 - D) Four

- 6) Technician A says that an electronic control module used in the suspension system is the same as that used for engine control. Technician B says that most electronically controlled suspension systems use a separate electronic control module. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 7) Typically, a vehicle height sensor mounts to the body of the vehicle and is connected to the _____ by a lever.
- A) frame
 - B) upper control arm
 - C) lower control arm
 - D) None of these
- 8) Two technicians are discussing the length of an actuator's duty cycle. What type signal are they most likely discussing?
- A) Pulse width modulation
 - B) Analog
 - C) AC current
 - D) None of these
- 9) Technician A says that some GM vehicles have only one height sensor. Technician B says that GM vehicles may have up to four height sensors. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 10) Where is the steering wheel sensor typically located?
- 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

Answer Key

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1) C

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2) D

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3) D

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4) D

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5) A

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6) B

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7) C

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8) A

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9) C

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10) A

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