

Name _____

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

- 1) During a traction control event, which of the following strategies is usually applied first? 1) _____
 - A) Reduce engine torque
 - B) Apply the drive wheel brakes
 - C) Either A or B depending on conditions
 - D) Neither A nor B

- 2) What other name is used to describe an electronic stability control (ESC) system? 2) _____
 - A) Vehicle Stability Assist (VSA)
 - B) Electronic Stability Program(ESP)
 - C) Vehicle Dynamic Control (VDC)
 - D) Any of the above

- 3) A diagnostic trouble code (DTC) has been set for a fault with the lateral acceleration sensor or circuit. What test could be performed to check if the sensor is working? 3) _____
 - A) Unplug it and see if the scan tool reads 1.0 G.
 - B) Disconnect the sensor and hold it sideways to see if the scan tool reads 0.0 G.
 - C) Disconnect the sensor and hold it sideways to see if the scan tool reads 1.0 G.
 - D) Drive the vehicle in a circle to see if the scan tool reads 0.0 G.

- 4) Traction control is being discussed. Technician A says that the computer locks both drive wheels together when one drive wheel starts to slip. Technician B says that first the brakes are applied then the engine power is reduced. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) What is the name of the standard test that is performed to verify ESC operation? 5) _____
 - A) ESC plus
 - B) Vehicle stability enhancement test
 - C) Sine with dwell
 - D) Anti-skid test

- 6) Technician A says that many traction control systems reduce engine torque to help the drive wheels achieve traction. Technician B says that hydraulic pressure from the electrohydraulic unit supplies brake fluid pressure to the wheel brake that is spinning during a traction control event. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 7) The steering wheel position sensor provides signals related to steering wheel position and size. 7) _____
A) True
B) False
- 8) If a vehicle tends to continue straight ahead while cornering, the condition may be called 8) _____
_____.
A) understeer
B) plowing
C) tight
D) any of the above
- 9) The driver of a vehicle with ESC has turned OFF the stability control system. What will happen 9) _____
the next time the vehicle is driven?
A) The ESC system will remain OFF until turned back on by the driver.
B) The ESC system will return to its default ON status.
C) It will depend on which driver of the vehicle enters the vehicle.
D) None of these
- 10) The hand wheel position sensor is located _____. 10) _____
A) in the air bag clock spring
B) in the steering column
C) on the steering rack assembly
D) under the driver's side carpet

Answer Key

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1) A

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2) D

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3) C

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4) D

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5) C

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6) C

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7) B

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8) D

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9) B

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10) B

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