

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

- 1) 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? 1) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 2) A traction control system can often control all of these EXCEPT _____. 2) _____
A) Engage four-wheel drive
B) Upshift the transmission
C) Limit torque delivered to the drive wheels
D) Apply the wheel brake to the wheel that is losing traction
- 3) When diagnosing TCS/ESC equipped vehicles, which of these tools is recommended? 3) _____
A) ESC probe B) Gordon meter
C) Factory scan tool D) All of these
- 4) If a vehicle is detected to be oversteering while rounding a left curve, which wheel brake would the ESC system apply to help regain control? 4) _____
A) LF B) LR C) RF D) RR
- 5) During a traction control event, which of the following strategies is usually applied first? 5) _____
A) Reduce engine torque B) Apply the drive wheel brakes
C) Either A or B depending on conditions D) Neither A nor B
- 6) The electronic stability control (ESC) system requires that the vehicle be equipped with what type of brake system? 6) _____
A) Four-wheel disc brakes B) Front disc with rear drum brakes
C) Three channel ABS D) Four channel ABS
- 7) A longitudinal accelerometer senses what type of force? 7) _____
A) Straight-line acceleration B) Steering wheel position
C) Cornering force D) None of these
- 8) 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? 8) _____
A) Disconnect the sensor and hold it sideways to see if the scan tool reads 1.0 G
B) Unplug it and see if the scan tool reads 1.0 G
C) Drive the vehicle in a circle to see if the scan tool reads 0.0 G
D) Disconnect the sensor and hold it sideways to see if the scan tool reads 0.0 G
- 9) 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 may supply brake fluid pressure to the wheel brake that is spinning during a traction control event. Which technician is correct? 9) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician

10) A lateral acceleration sensor is usually located where in the vehicle?

- A) On the package shelf
- C) Under the front seat

- B) In the center console
- D) Any of the above locations

10) _____