

Name: _____ Date: _____

1. Where is a lateral acceleration sensor usually located in the vehicle?
 - A. Under the front seat
 - B. In the center console
 - C. On the package shelf
 - D. Any of the above locations

2. Traction control uses the antilock brake system to limit what aspect of the drive wheels during acceleration?
 - A. Positive slip
 - B. Negative slip
 - C. Side slip
 - D. Yaw slip

3. When diagnosing ESC or TC system concerns, what is usually required?
 - A. A factory scan tool
 - B. Specific service information (SI)
 - C. Performing a visual inspection
 - D. All of the above

4. Which of the following is NOT something a traction control system can control?
 - A. Limit engine torque delivered to the drive wheel
 - B. Engage four-wheel drive
 - C. Upshift the automatic transmission
 - D. Apply the wheel brake to the wheel that is losing traction

5. What other names are used to identify an electronic stability control (ESC) system?
 - A. Vehicle Stability Assist (VSA)
 - B. Electronic Stability Program (ESP)
 - C. Vehicle Dynamic Control (VDC)
 - D. Any of the above

6. What is the difference between oversteering and understeering?
 - A. Oversteering is when the vehicle turns more than intended, while understeering is less
 - B. Oversteering is when the vehicle turns less than intended, while understeering is more
 - C. Oversteering is related to tire pressure, while understeering is related to alignment
 - D. Oversteering is a braking issue, while understeering is a steering issue

7. What is the ESC lamp also known as?
 - A. Warning light
 - B. Telltale light
 - C. Indicator light
 - D. Malfunction light

8. What is the standardized test used to determine if an ESC system functions properly?

- A. ESC plus
- B. Vehicle stability enhancement test
- C. Sine with dwell (SWD) test
- D. Anti-skid test

9. What must the ESC system be able to do according to FMVSS No. 126?

- A. Play audio signals
- B. Apply all four brakes individually
- C. Control the vehicle's lighting system
- D. Regulate the air conditioning

10. What is a common feature of vehicles with traction control?

- A. A dash-mounted switch to deactivate the system
- B. A manual override for the brake system
- C. An automatic tire inflation system
- D. A GPS-based navigation control

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Chapter 107

Multiple Choice Quiz B

Answer Key

1. D

2. A

3. D

4. B

5. D

6. A

7. B

8. C

9. B

10. A