

Automotive Technology 7th Edition
Chapter 107: Electronic Stability Control Systems
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|---------------------------------------|--|-----------|
| 1. Electronic Stability Control (ESC) | A. The federal standard requiring ESC on new passenger vehicles by the 2012 model year. | 1. _____ |
| 2. Oversteering | B. A sensor that measures a vehicle's rotational rate on its vertical axis in degrees per second. | 2. _____ |
| 3. Understeering | C. A condition where the front of the vehicle tends to continue straight ahead when turning. | 3. _____ |
| 4. FMVSS No. 126 | D. A system that applies individual wheel brakes to help a driver maintain directional control. | 4. _____ |
| 5. Sine with Dwell (SWD) Test | E. The standardized procedure used to verify that an ESC system is functioning correctly. | 5. _____ |
| 6. Yaw Rate Sensor | F. A condition where the rear of the vehicle tends to move outward or "break loose" in a turn. | 6. _____ |
| 7. Lateral Acceleration Sensor | G. The term used to describe tires losing traction and spinning during acceleration. | 7. _____ |
| 8. Traction Control (TC) | H. A dashboard light that flashes to indicate the ESC system is actively working to restore vehicle stability. | 8. _____ |
| 9. Positive Slip | I. A sensor that measures a vehicle's side-to-side cornering forces. | 9. _____ |
| 10. Telltale Light | J. A system designed to control wheel spin during acceleration. | 10. _____ |

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Answer Key

Answer Key:

1. D
2. F
3. C
4. A
5. E
6. B
7. I
8. J
9. G
10. H