

Automotive Technology 7th Edition
Chapter 105: ABS Components and Operation
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|--------------------------------------|---|-----------|
| 1. Antilock Brake System (ABS) | A. Describes a wheel that is locked and skidding. | 1. _____ |
| 2. Tire Slip | B. A system where each wheel has its own speed sensor and separate hydraulic control circuit. | 2. _____ |
| 3. Control Module | C. Requires an outside power source to generate a digital signal. | 3. _____ |
| 4. Wheel Speed Sensors | D. The difference between the vehicle's speed and the rate at which the tire tread moves across the road. | 4. _____ |
| 5. Four-channel ABS | E. Monitors the rotational speed of the wheels. | 5. _____ |
| 6. Passive wheel speed sensor | F. Applies brakes without driver input if a collision is detected. | 6. _____ |
| 7. Active wheel speed sensor | G. A microprocessor that regulates hydraulic pressure to prevent wheel lockup. | 7. _____ |
| 8. Accumulator | H. Stores hydraulic fluid under pressure. | 8. _____ |
| 9. Automatic Emergency Braking (AEB) | I. Generates its own AC voltage signal without an outside power source. | 9. _____ |
| 10. 100% Tire Slip | J. Helps prevent wheels from locking during sudden braking. | 10. _____ |

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Answer Key

Answer Key:

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