

Automotive Technology 7th Edition
Chapter 115: Steering Columns and Gears
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|-------------------------------|---|-----------|
| 1. Inflator Module | A. The relationship between the degrees of steering wheel rotation and front wheel rotation. | 1. _____ |
| 2. Spiral Cable (Clockspring) | B. A required safety feature designed to collapse and absorb energy in a front-end collision. | 2. _____ |
| 3. Universal Joint | C. Vibration and road shocks felt by the driver through the steering wheel. | 3. _____ |
| 4. Flexible Coupling | D. The most commonly used type of conventional steering gear. | 4. _____ |
| 5. Collapsible Column | E. A lightweight and compact steering gear design that is widely used in vehicles. | 5. _____ |
| 6. Steering Gear Ratio | F. A feature that causes the steering ratio to decrease as the steering wheel is turned from the center position. | 6. _____ |
| 7. Variable Ratio | G. A rubber or fabric device that connects two shafts to absorb vibration and allow for angle changes. | 7. _____ |
| 8. Recirculating Ball | H. The part of the steering wheel where the airbag is stored. | 8. _____ |
| 9. Rack-and-Pinion | I. Consists of two yokes and a steel crosspiece, allowing shafts to connect at an angle. | 9. _____ |
| 10. Kickback | J. A coiled component that maintains electrical contact for the airbag during steering wheel rotation. | 10. _____ |

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Answer Key

Answer Key:

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