

Automotive Technology 7th Edition
Chapter 110: Tire and Wheel Service
Matching Quiz

Name: _____

Date: _____

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

- | | | |
|------------------------|---|-----------|
| 1. Tire Rotation | A. An out-of-round condition that can cause an up-and-down vibration called tramp. | 1. _____ |
| 2. Nitrogen Inflation | B. Wheels designed to fit over and be supported by the axle hub. | 2. _____ |
| 3. Radial Runout | C. Aligning a mark on the tire with the valve stem or a dimple on the rim to minimize imbalance. | 3. _____ |
| 4. Lateral Runout | D. When weight is evenly distributed around the axis of rotation, preventing tramp. | 4. _____ |
| 5. Match Mounting | E. Moving each tire to a different location to ensure long life and even wear. | 5. _____ |
| 6. Lug Nut Torque | F. Gradually securing lug nuts in a star pattern. | 6. _____ |
| 7. Static Balance | G. The specific tightness required for wheel fasteners. | 7. _____ |
| 8. Dynamic Balance | H. Using a specific gas instead of air to reduce pressure loss over time. | 8. _____ |
| 9. Tightening Sequence | I. When the centerline of weight is in the same plane as the wheel's centerline, preventing shimmy. | 9. _____ |
| 10. Hubcentric Wheels | J. A side-to-side wobble that can cause a vibration called shimmy. | 10. _____ |

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Answer Key

Answer Key:

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