

Automotive Technology 7th Edition
Chapter 119: Wheel Alignment Principles
Short Answer Quiz

Name:

Date:

1. Explain the Ackerman Effect and its significance in wheel alignment.
2. What is setback in wheel alignment, and how can it be measured?
3. Describe the effects of road crown on vehicle handling and how it might affect a wheel alignment diagnosis.
4. What is the difference between tramp and shimmy vibration, and can wheel alignment correct these issues?
5. Define camber and explain how positive and negative camber can affect tire wear and vehicle handling.

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6. Discuss the importance of four-wheel alignment and the sequence of adjustments that should be made during the process.

7. What is dog tracking in the context of wheel alignment, and what might cause this condition?

8. How does incorrect rear toe affect vehicle handling differently than incorrect front toe?

9. Describe the relationship between steering arm angles and proper toe-out on turns.

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