

Automotive Technology 7th Edition
Chapter 97: Wheel Bearings and Service
Short Answer Quiz

Name:

Date:

1. What is the recommended procedure for detecting a defective wheel bearing when servicing a non-drive wheel?
2. Describe the condition known as "brinelling" and what causes it in wheel bearings.
3. Explain the significance of wheel bearing vents and the potential issues a clogged vent can cause.
4. What type of drive axle is typically found on a heavy-duty truck tractor and why?
5. When servicing wheel bearings, what is the importance of removing the differential cover before removing the rear axle on certain types of axles?

Automotive Technology 7th Edition
Chapter 97: Wheel Bearings and Service
Short Answer Quiz

Name:

Date:

6. What are the consequences of shock loading on the race of a bearing and what is this type of failure called?

7. Detail the steps and precautions to take when cleaning bearings during service.

8. What is the purpose of a garter spring in a dynamic seal for wheel bearings?

9. Discuss the symptoms of a defective wheel bearing and how they manifest in vehicle performance.

10. What inspection points should be checked on a wheel bearing to determine if it needs to be replaced?