

Automotive Technology 7<sup>th</sup> 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?

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2. Describe the condition known as "brinelling" and what causes it in wheel bearings.

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3. Explain the significance of wheel bearing vents and the potential issues a clogged vent can cause.

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4. What type of drive axle is typically found on a heavy-duty truck tractor and why?

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5. When servicing wheel bearings, what is the importance of removing the differential cover before removing the rear axle on certain types of axles?

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

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

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

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

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

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