

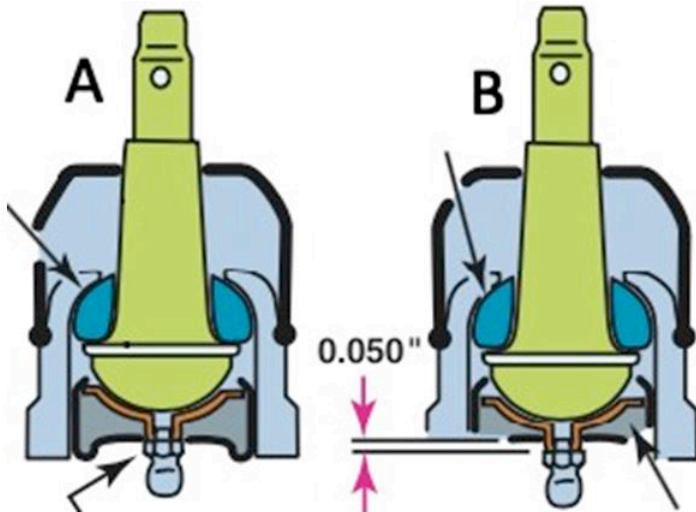
Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) Which of the following is NOT helpful information in diagnosing a suspension problem? 1) \_\_\_\_\_  
A) If the problem gets worse in warm or cold weather  
B) If the problem gets worse with a warm or cold engine  
C) If the problem gets worse while turning or going straight  
D) All of these are helpful hints for diagnosis.
- 2) A vehicle is equipped with a SLA front suspension. What do the letters mean? 2) \_\_\_\_\_  
A) Single long arm  
B) Side-lateral angle  
C) Short-long arm  
D) Solid link assembly
- 3) A proper road test should include which of the following? 3) \_\_\_\_\_  
A) Driving beside stationary objects  
B) Driving on bumpy roads  
C) Driving in reverse while turning  
D) All of these are useful road test tips.
- 4) A dry park test can be useful to diagnose which of the following? 4) \_\_\_\_\_  
A) Front wheel bearing failure  
B) Control arm bushing wear  
C) Ball joint movement  
D) All of these are correct.
- 5) Technician A says to install press-fit ball joints using a hammer on the ball joint housing to seat the ball joint in the control arm. Technician B says that a tool resembling a large C-clamp should be used to press ball joints in and out. Which technician is correct? 5) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 6) Most manufacturers specify a maximum axial play for ball joints of about \_\_\_\_\_. 6) \_\_\_\_\_  
A) 0.003 in. (0,076 mm)  
B) 0.010 in. (0.25 mm)  
C) 0.030 in. (0.76 mm)  
D) 0.050 in. (1.27 mm)

7) Which of the ball joints in this illustration is worn out and needs replacing?

7) \_\_\_\_\_



- A) A
- B) B
- C) Both are worn out
- D) Both are OK

8) Technician A says that wear indicator ball joints should be unloaded to check properly. Technician B says that wear indicator ball joints should be checked with the weight of the vehicle on the ground. Which technician is correct?

8) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) What should the technician do when replacing stabilizer bar links?

9) \_\_\_\_\_

- A) The stabilizer bar should be removed from the vehicle before replacing the links.
- B) The links can be replaced individually, yet the manufacturer often recommends that the links at both ends be replaced together.
- C) The stabilizer bar must be compressed using a special tool before removing or installing stabilizer bar links.
- D) Both A and C are correct

10) Technician A says that many vehicles use lower control arms with non-removable ball joints. Technician B says that heat should be used to bend a deformed suspension component within specifications. Which technician is correct?

10) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

## Answer Key

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1) D

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2) C

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3) D

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4) D

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5) B

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6) D

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7) A

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8) B

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9) B

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10) A

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