

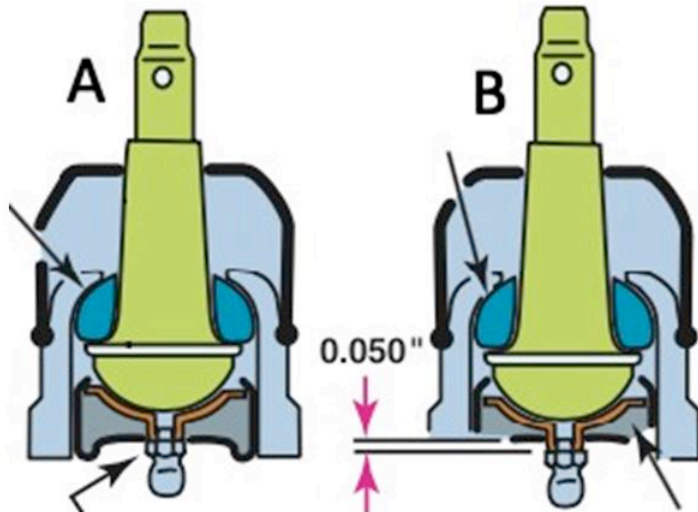
Name \_\_\_\_\_

**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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