

Name \_\_\_\_\_

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

- 1) Two technicians are discussing non-indicator-type ball joint inspection. Technician A says that the vehicle should be on the ground with the ball joints LOADED, then checked for freeplay. Technician B says the ball joints should be UNLOADED before checking for freeplay. Which technician is correct? 1) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 2) Where is the most common location for the coil spring on an SLA front suspension? 2) \_\_\_\_\_
- A) Lower control arm
  - B) Upper control arm
  - C) Radius arm
  - D) Stabilizer bar
- 3) Two technicians are discussing suspension bushings. Technician A says that replacing control arm bushings usually requires special tools. Technician B says using high-performance urethane bushings may cause excessive noise to be transferred to the passenger compartment. Which technician is correct? 3) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 4) Technician A says that when removing pinch bolt connections, turn the nut, not the bolt. Technician B says to tighten the pinch bolt until the steering knuckle is deformed by 0.050 inches. Which technician is correct? 4) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 5) What should the technician do when replacing stabilizer bar links? 5) \_\_\_\_\_
- 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

- 6) 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? 6) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 7) A noise and a pull toward one side during braking is a common symptom of a worn or defective \_\_\_\_\_. 7) \_\_\_\_\_
- A) shock absorber
  - B) strut rod bushing
  - C) stabilizer bar link
  - D) track rod bushing
- 8) A dry park test can be useful to diagnose which of the following? 8) \_\_\_\_\_
- A) Front wheel bearing failure
  - B) Control arm bushing wear
  - C) Ball joint movement
  - D) All of these are correct.
- 9) Defective ball joints can cause all of the following problems EXCEPT \_\_\_\_\_. 9) \_\_\_\_\_
- A) loud popping or squeaking when driving over bumps
  - B) shimmy-type vibration felt in the steering wheel
  - C) vehicle wander on a straight road
  - D) All of these can be caused by defective ball joints.
- 10) Technician A says that a dry park test should be performed as part of the diagnosis. Technician B says that the dry park test should be performed with one technician moving the steering wheel while another watches and feels for movement in steering and suspension components. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

## Answer Key

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1) B

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2) A

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3) C

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4) A

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5) B

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6) B

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7) B

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8) D

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9) D

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10) C

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