

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the maximum axial play for ball joints specified by most manufacturers?
  - A. 0.003 inch (0.076 mm)
  - B. 0.010 inch (0.25 mm)
  - C. 0.030 inch (0.76 mm)
  - D. 0.050 inch (1.27 mm)
  
2. When observing a light film of oil on the upper area of a shock absorber, what might be the cause?
  - A. This condition should be considered normal.
  - B. A rod seal may bleed fluid during cold weather, causing the oil film.
  - C. Both A and B are correct.
  - D. Neither A nor B is correct.
  
3. Before removing a strut insert from a typical MacPherson strut assembly, what operation is necessary to prevent possible personal injury?
  - A. The brake caliper and/or brake hose should be removed from the strut housing.
  - B. The coil spring should be compressed.
  - C. The upper strut mounting bolts should be removed.
  - D. The lower attaching bolts should be removed.
  
4. What should a technician do when replacing stabilizer bar links?
  - A. The stabilizer bar should be removed from the vehicle before replacing the links.
  - B. The links can be replaced individually, but it's often recommended 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 B and C are correct.
  
5. 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?
  - A. Technician A only
  - B. Technician B only
  - C. Both Technicians A and B
  - D. Neither Technician A nor B
  
6. What is a common symptom of worn or defective shock absorbers?
  - A. Unusual noise during a test-drive
  - B. A pull toward one side during braking
  - C. Excessive bounce after hitting a bump
  - D. All of the above
  
7. What is the procedure for replacing front shock absorbers on an SLA-type suspension vehicle?
  - A. Remove the coil spring or torsion bar
  - B. Disconnect the upper and lower ball joints
  - C. Remove the disc brake caliper
  - D. All of the above

8. What does SLA stand for in a front suspension context?

- A. Single long arm
- B. Side-lateral angle
- C. Short-long arm
- D. Solid link assembly

9. A disadvantage of a solid front axle on a vehicle is \_\_\_\_\_.

- A. The wheels cannot be turned
- B. Lack of ride quality
- C. Poor load capacity
- D. All of these

10. Unusual noise during a test-drive can be caused by \_\_\_\_\_.

- A. Defective wheel bearings or stabilizer bar links
- B. Defective or worn control arm bushings or ball joints
- C. Worn or defective CV joints
- D. All of the above

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Chapter 112

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. B

4. D

5. C

6. D

7. D

8. C

9. B

10. D