

Name: _____

Date: _____

1. What is the primary function of the idler arm in a parallelogram-type steering linkage?
 - A. To transfer steering forces to the front wheels
 - B. To support the passenger side of the center link
 - C. To connect the steering wheel to the steering gear
 - D. To absorb and dampen sudden motions in the steering linkage

2. Which component is NOT a part of the parallelogram-type steering linkage?
 - A. Pitman arm
 - B. Center link
 - C. Drag link
 - D. Idler arm

3. What is the purpose of a steering dampener?
 - A. To absorb and dampen sudden motions in the steering linkage
 - B. To increase steering forces
 - C. To maintain the steering linkage level with the road
 - D. To connect the steering gear to the steering wheel

4. What is the significance of the center link being parallel to the ground?
 - A. It ensures proper articulation of the steering linkage
 - B. It prevents the up-and-down motion of the suspension from causing the front wheels to turn
 - C. It is essential for the dry park test
 - D. It is a requirement for all steering systems regardless of the vehicle

5. Which of the following is a correct description of a parallelogram-type linkage?
 - A. A linkage where opposite sides are parallel and equal distance
 - B. A linkage where all sides are equal and angles are 90 degrees
 - C. A linkage where only one side is parallel to the ground
 - D. A linkage that only consists of tie rods and a center link

6. What is the role of the pitman arm in the steering linkage?
 - A. It supports the steering linkage horizontally
 - B. It is moved as the steering wheel is rotated
 - C. It absorbs the shock from the road
 - D. It connects the outer tie rods to the steering arms

7. How is the idler arm typically tested for wear?
 - A. By measuring the angle of the steering linkage
 - B. By applying hand force and measuring the movement
 - C. By performing a dry park test
 - D. By checking the level of steering fluid

8. What is the purpose of the tie rod adjusting sleeves?

- A. To absorb shocks from the road
- B. To connect the pitman arm to the sector shaft
- C. To allow for adjustments in the length of the tie rods
- D. To secure the tie rod ends to the steering knuckle

9. Which of the following is NOT a name for the center link in a steering linkage?

- A. Connecting link
- B. Relay rod
- C. Drag link
- D. Articulation rod

10. What can cause bump steer in a vehicle?

- A. An unlevel steering linkage
- B. Excessive lubrication of the steering components
- C. A faulty steering dampener
- D. Incorrect tire pressure

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Chapter 116

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. A

4. B

5. A

6. B

7. B

8. C

9. D

10. A