

Name _____

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

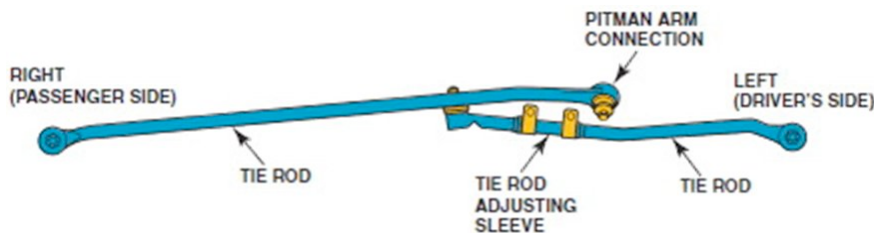
- 1) How much end play is usually acceptable in tie rod ends during a dry park test?
 - A) Zero
 - B) 0.0010 to 0.030 in.
 - C) 0.030 to 0.050 in.
 - D) 0.050 to 0.100 in.

- 2) Which tool is NOT recommended to be used to separate tapered steering components because it can do harm?
 - A) Taper breaker
 - B) Pickle fork
 - C) Tie rod removal puller
 - D) Two hammers

- 3) A rack and pinion inner tie rod end is often secured by which of these methods??
 - A) Riveted or pinned
 - B) Staked
 - C) Either A or B
 - D) Neither A nor B

- 4) A vehicle equipped with four-wheel steering will use _____ mode when moving at low speeds.
 - A) same-phase
 - B) single-phase
 - C) opposite-phase
 - D) right-phase

- 5) The steering linkage shown here is a _____ design.



- A) Haltenberger
 - B) Cross-steer
 - C) Parallelogram
 - D) Drop link
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- 6) Which of the following is NOT a component of a parallelogram-type steering linkage?
 - A) Pitman arm
 - B) Drag link
 - C) Center link
 - D) Idler arm

- 7) Technician A says that steering linkages with zerck fittings should be greased at least every six months. Technician B says that some steering linkage joints are sealed and do not require regular service. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 8) Cross steer linkage is found on _____.
- A) sports cars
 - B) light trucks and vans
 - C) mid-size sedans
 - D) None of these
- 9) Technician A says that the inner tie rod end mounts to the end of the rack on all rack and pinion systems. Technician B says that some rack and pinion systems use inner tie rod ends mounted to the center of the rack. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 10) Which of the following linkage types may be used with a rack and pinion design?
- A) Parallelogram
 - B) Cross steer
 - C) Haltenberger
 - D) None of these are correct.

Answer Key

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1) A

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2) B

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3) C

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4) C

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5) A

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6) B

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7) C

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8) B

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9) B

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10) D

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