

Name _____

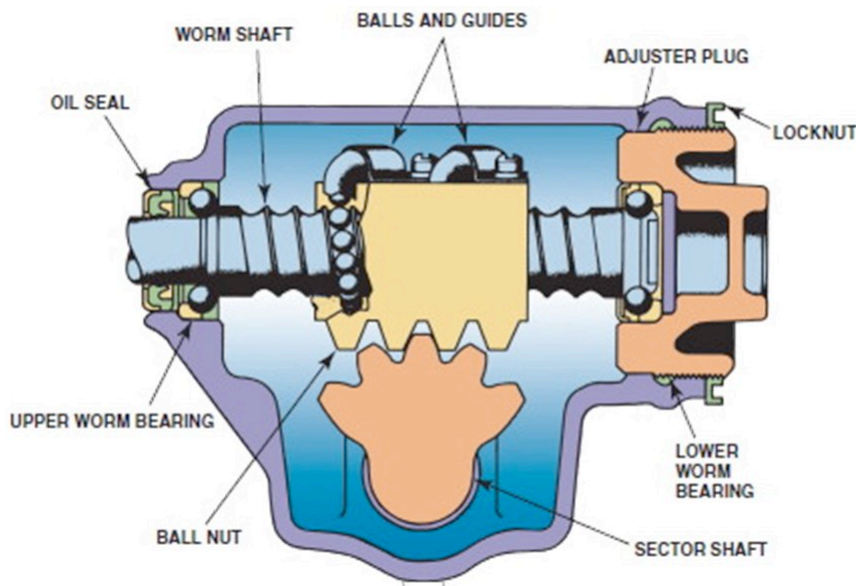
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) On a variable ratio sector shaft, the center gear tooth is _____ than the side gear teeth.
 - A) larger
 - B) smaller
 - C) thinner
 - D) softer

- 2) Which part in the steering column allows for changes in the angle between the upper and lower shafts?
 - A) Flexible coupling
 - B) Column cover
 - C) Universal joint
 - D) Collapsible section

- 3) Technician A says that federal law requires all vehicles to be equipped with collapsible steering columns. Technician B says that a hammer can be used to install a steering wheel onto the steering shaft. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 4) In this drawing, what components move when the worm shaft is rotated?



- A) Ball nut
- B) Sector shaft
- C) Both A and B
- D) Neither A nor B

- 5) After removing the center nut, use a _____ to remove the steering wheel from the steering shaft.
- A) puller
 - B) hammer
 - C) shaft depressor
 - D) snap ring plier
- 6) Which gas is used to fill the airbag during airbag deployment?
- A) Nitrogen
 - B) Nitrous oxide
 - C) Hydrogen sulfide
 - D) Sulfur dioxide
- 7) What component locks the steering wheel in place when the driver removes the key?
- A) Lock plate
 - B) Interplate
 - C) Both A and B
 - D) Neither A nor B
- 8) Technician A says that the steering system changes rotary motion into lateral motion. Technician B says that steering ratio is influenced by the length of the teeth on the sector gear. Which technician is correct?
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 9) Which component is NOT a safety requirement for steering column systems?
- A) Sector shaft
 - B) Knee bolster
 - C) Collapsible column
 - D) All of these are correct.
- 10) Technician A says that variable ratio steering is the same thing as variable assist steering. Technician B says that constant ratio shaft and sector gears are the same size, unlike systems with variable ratio steering. Which technician is correct?
- 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) A

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2) C

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3) A

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4) C

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5) A

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6) A

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7) A

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8) C

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9) A

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10) B

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